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South Carolina Ambient Ground Water Quality Monitoring Network 2001

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South Carolina Ambient Groundwater Quality Monitoring Network

by

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Bureau of Water
South Carolina Department of Health and Environmental Control**

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ABSTRACT

An ambient groundwater quality monitoring network has been established in South Carolina for the purpose of obtaining statewide and aquifer-specific baseline values of groundwater quality. This network utilizes selected public and private water supply wells for obtaining groundwater samples. Initial sampling was performed in 1987 encompassing 19 wells in four counties. Over the next few years, wells from various counties were added from all the major aquifers of South Carolina, and today we have a comprehensive network of 116 wells sampling various depths and locations of the nine major aquifers of the state.

The geology of South Carolina influences the quality and composition of the groundwater and dictates the methods of obtaining the water, and is separated neatly along the fall-line running along a SW-NE line through the middle of the state. Wells sampled in the Piedmont tap either the thin layer of saprolite at the surface, or the underlying fractured bedrock, consisting of low to medium grade metamorphic rocks with scattered granitic plutons. Wells sampled to the east of the fall-line tap one of the seven extensive coastal plain aquifers that, with one exception, consist of unconsolidated, interbedded sands and clays. The exception is the Tertiary limestone aquifer, known as the Floridan aquifer.

Water quality data indicates that a high degree of variability exists throughout the coastal plain, with anion and cation concentrations generally increasing toward the coast. The presence and concentration of many chemical constituents are controlled by aquifer geology and geochemistry. It is the purpose of this report to describe and explain some of the trends in geochemistry that exist throughout the aquifers of South Carolina.

INTRODUCTION

The state of South Carolina depends upon its groundwater resources to supply an estimated 40 percent of its residents. To monitor the ambient quality of this valuable resource, a network of existing public and private water supply wells has been established which provide groundwater quality data representing all of the State's major aquifers.

Although a great deal of groundwater quality monitoring is presently being carried out within South Carolina, this is generally at regulated industrial or commercial sites which have known or potential groundwater contamination. In general, these sites are monitored for water quality only in the uppermost (water table) aquifer. The monitoring program described herein has been designed to avoid wells in these areas of known or potential contamination, thereby allowing for the assumption that variability in water chemistry reflects differences in the aquifer's geologic framework and/or spatial setting, and not anthropogenic effects.

Data derived from this monitoring network has been analyzed for the purpose of identifying variations in water chemistry among the State's major aquifers and developing an understanding of the ambient groundwater quality across South Carolina. The concentrations of certain chemical parameters in a region and/or aquifer may be used as a general indicator against which conditions of potential contamination can be assessed at sites within that area. It is not, however, intended to be used for all site specific comparisons of water quality.

This report is presented in two sections. The first section is an outline of the methods involved in establishing and operating the monitoring network. This includes details concerning well selection, sample collection, chemical analysis, data management, data analysis, and implementation schedules. The second section is a report of the results of the monitoring efforts

since 1987. Results include a discussion of the geology and hydrogeology of the aquifers monitored, and in addition, a discussion of aquifer specific and geographic variations in water quality.

OBJECTIVES

The primary objective of the monitoring network is to develop a baseline for ambient groundwater quality for all of South Carolina's aquifers. Through utilization of this data many other objectives may be achieved. Included among these secondary objectives are:

- 1) To determine areal variations in regional groundwater quality.
- 2) To determine aquifer-specific variability in water quality.
- 3) To detect any significant changes in groundwater quality over time. These time related variations are capable of being determined on both a regional and a statewide level.
- 4) To supply ambient groundwater quality data for certain areas or aquifers which are in the initial phase of potential contamination investigations.

It is worthwhile to point out some applications for which these data are not intended. The water quality database is not intended to be used as a tool for locating previously unknown sites of groundwater contamination or for assuring compliance with regulations if such sites enter a monitoring phase. Because of natural areal variations in water chemistry, ambient data are also not intended to be used as a substitute for on-site backgroundwater quality monitoring by facilities which may be in the general vicinity.

METHODS AND ORGANIZATION

Well Selection

The ambient monitoring network is comprised exclusively of existing public and private water supply wells. Public wells are generally preferred and constitute a majority of the network. Preference is given to public supply wells because of their potential for greater longevity and continuity of ownership in comparison to private water sources. Public wells also offer the benefit of pumping large volumes of water, thus supplying water samples that represent a more sizeable portion of the aquifer than a private well. However, in certain rural areas, where public supply wells are not available, private water wells are utilized despite the fact that a general lack of construction details for these private wells can limit their value as monitoring points.

Initial well selection steps are governed by the availability and completeness of drilling records contained within state files. If complete records exist with respect to location, depth, aquifer, etc., a well may then be further considered for incorporation into the monitoring network. Although past water quality analysis data exist for many network wells, particularly public supply wells, no consideration is given to these data when selecting network wells. This is to avoid creating a bias in water quality toward chemical constituent concentrations that are higher or lower than anticipated or simply due to lack of documentation on previous quality control.

In order to sample water from “all” portions of the State’s major aquifers, well selection criteria also include consideration of which aquifer each well is utilizing, along with the geographic distribution of wells within each aquifer. A final consideration that is addressed when selecting network wells is the presence of, or potential for, contamination within the area. At the time of well sampling, a field check of the area surrounding the well site is performed. If a significant potential contamination source is located in the vicinity, the well is not included in the monitoring network.

Sample Collection and Chemical Analysis

Proper sampling protocol is essential for any monitoring program that is to provide meaningful and accurate data. Nacht (1983) provides a thorough review of monitoring sampling considerations, many of which may be directly applied to an ambient monitoring program. Sampling must be performed in a manner that will allow collection of groundwater that has not been chemically altered by the well system. Public supply wells can normally be sampled from a blow-off pipe or sample cock that is situated between the wellhead and any treatment systems. Private well samples are ideally drawn from the tap closest to the well. Water should be allowed to flow for a time period that is sufficient to recycle water through the entire volume of any pressure tanks in the system if the sample is collected past a pressure tank. Unless a significant volume of water has been pumped from a well immediately prior to sampling, an amount of water equal to or greater than the well volume should also be flushed through the system in order to reduce the likelihood of chemical alteration from well casings, pumps or residence time in a well.

Samples are collected in appropriately prepared laboratory bottles that are compatible with the chemical constituent being measured. All samples are preserved with proper chemicals (such as sulfuric acid for total organic carbon (TOC) and nutrients, and nitric acid for metals) and refrigerated until submitted to the laboratory for analysis. Specific conductance, pH and temperature of the water sample are measured in the field at the time of collection.

Laboratory analyses of water samples cover a wide spectrum of parameters that, as a whole, provide the information that is required to characterize both aquifer and regional groundwater quality. Appendix A presents a list of the chemical parameters that were analyzed. The sampling frequency for all network wells is once every five years.

Any well samples that have chemical concentrations in excess of the National Primary Drinking Water Regulations (Appendix B) will be resampled and analyzed to confirm constituent concentrations. If it is determined that a well is contaminated by anthropogenic causes, the well will be removed from the ambient monitoring network, and the well owner will be referred to proper South Carolina Department of Health and Environmental Control (SCDHEC) personnel for assistance. Future sampling of any wells found to be contaminated will be performed as part of a contamination source investigation.

Well selection and initial sampling at each well are carried out by staff members from the Groundwater Monitoring Section. As noted earlier in this report, a field check of potential contamination sources will be made at the same time.

Data Management and Analysis

The ease with which information can be accessed is a critical factor in determining the success of any monitoring program. In the ambient monitoring network described here, all data

related to well information and water quality are stored in an Excel Spreadsheet and in STORET. Analyses of network groundwater samples may be presented by way of trilinear (Piper) diagrams, Stiff Diagrams, and graphs. The regional or statewide distribution of the various water types may be shown in map form.

Discussion of various data analyses consider comparisons of water quality to factors such as geology of aquifers, variations of chemical constituent levels among regions, and changes in water quality over time.

Implementation Schedule

The ambient monitoring network was initiated in 1987 on a trial basis in a four county area. At that time, the network included 19 wells, both public and private, and was primarily intended to test and establish the network's methods. In 1988 and 1989, ten and sixteen additional counties were added, respectively. Nineteen wells were added to the network in 1990, another nine wells were added in 1991, and one more in 2000 and 2001. Each year a selection of the wells from a specific aquifer was sampled on a five-year cycle, until 2000. This year's strategy was to sample all represented aquifers within one of the eight major River Sub-Basins (Figure 1). These and their scheduled sampling dates are as follows:

- | | |
|-------|---|
| 2000: | Savannah and Salkehatchie (25 wells): Piedmont Bedrock; Saprolite; Middendorf; PeeDee/Black Creek; Tertiary Limestone |
| 2001: | Saluda and Edisto (29 wells): Piedmont Bedrock; Saprolite; Middendorf; Black Mingo; Tertiary Limestone |
| 2002: | Catawba and Santee (18 wells): Piedmont Bedrock; Middendorf; Black Creek; Black Mingo; Tertiary Limestone; Surficial Sands |
| 2003: | PeeDee (28 wells): Piedmont Bedrock; Middendorf; Tertiary Sands; Black Creek; Surficial Sands |
| 2004: | Broad (16 wells): Piedmont Bedrock; Saprolite; Middendorf |

MONITORING RESULTS

Location

As noted above, the 2001 groundwater quality monitoring consisted of sampling wells in the selected aquifers of the Saluda and Edisto sub-basins. One new well outside of the town of Pelion was added and one well in Richland, Greenville, and Newberry were not sampled because they were no longer in operation. The analytical data from this resampling has been incorporated into the various graphs and appendices as appropriate.

South Carolina River Sub-Basins

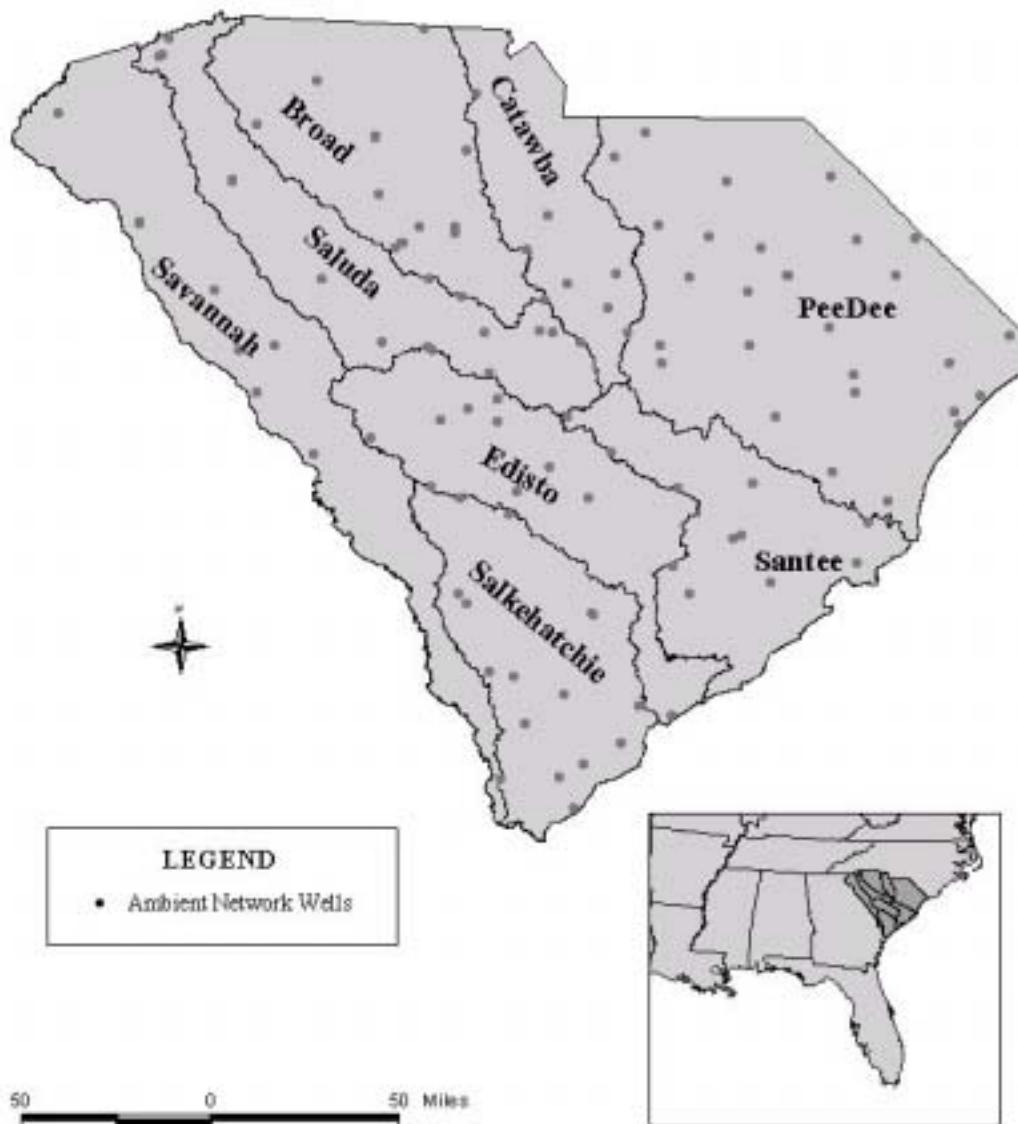


Figure 1. Map of the eight major river sub-basins of South Carolina

Network Wells

The monitoring network includes water quality data from 116 wells (Figure 2; Appendix C). Of these, 80 are used for public supply purposes, 33 for private commercial or domestic supplies, and the remaining 3 provide water for fish hatchery ponds and heating/cooling purposes. The complete construction records available for the network wells allow reasonably accurate determination of which aquifer is being utilized at each location, and to a lesser degree, the nature of subsurface stratigraphy throughout the well's depth range. The limiting factor for the latter is the incomplete nature of driller's logs.

Subsurface Geology

The sedimentary deposits which contain the various coastal plain aquifers are the result of various sea level fluctuations. The Middendorf aquifer and its related geologic formations overlie the bedrock basement and is considered the oldest depositionally. The others are the Black Creek, Pee Dee, Black Mingo, and the Tertiary aquifers which respectively overlie the Middendorf (Figure 3). The main boundaries between the recognized aquifer systems are major confinement units which may not directly correlate to the geologic formation of the same name.

Hydrogeology and Water Quality

Piedmont Bedrock Aquifer

Groundwater supplies in the Piedmont and Blue Ridge physiographic provinces of South Carolina come from three types of hydrogeologic environments. These include the unweathered fractured crystalline bedrock, the overlying saprolitic regolith, and to a limited extent the alluvial valley fill deposits. Most public and private wells are completed in the fractured crystalline bedrock. Although the bedrock exists in a variety of mineralogical assemblages and textures, it has not been hydraulically characterized to an extent that allows designation of separate or distinct aquifers within the bedrock. Indeed, separate aquifers may not exist. For these reasons, the water-bearing portion of the Piedmont bedrock has been collectively termed the "bedrock aquifer" (Oldham, 1986).

Yields from crystalline bedrock vary greatly among wells, depending primarily upon the existence of joints and fractures within the rock. If fractures do exist, yield and specific capacity further depend upon the size of fractures and degree of fracture interconnection. The overlying saprolite is hydraulically connected with the underlying bedrock and provides the primary source of recharge water to the bedrock aquifer. Yields of 4 to 170 gallons per minute (gpm) from the 30 network wells in the Piedmont bedrock have been recorded. This broad range in yield is an indicator of the great variability in the occurrence, size and interconnection of joints and other fractures that exist in this aquifer.

Some of the sampling sites in the Piedmont consist of "paired" wells, where one well is completed in the saprolite soils and one in the fractured crystalline bedrock. The wells are considered pairs due to their close proximity and the thought that they are completed into the same host rock. The pairs are intended to be used for comparing the development of water chemistry as it flows down through the saturated saprolite and the underlying fracture system. Based upon analysis of chemical data from the network's saprolite/bedrock well pairs, it appears that the groundwater in the Piedmont bedrock acquires a great majority of its ions as it percolates through the overlying saprolite. It is suspected that additional ions and trace metals are also

Ambient Ground Water Quality Network Wells

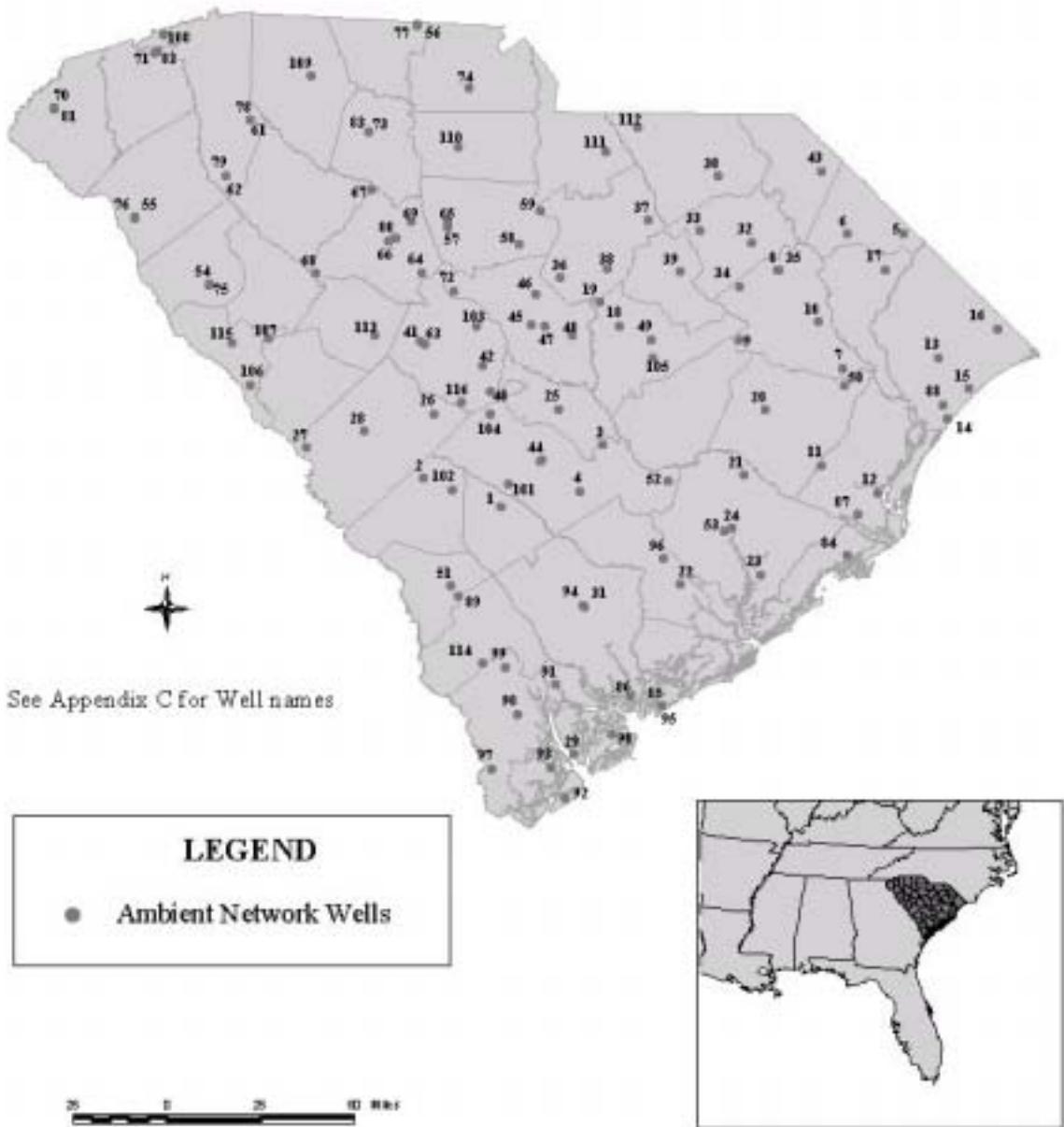


Figure 2. Ambient monitoring well network locations by number

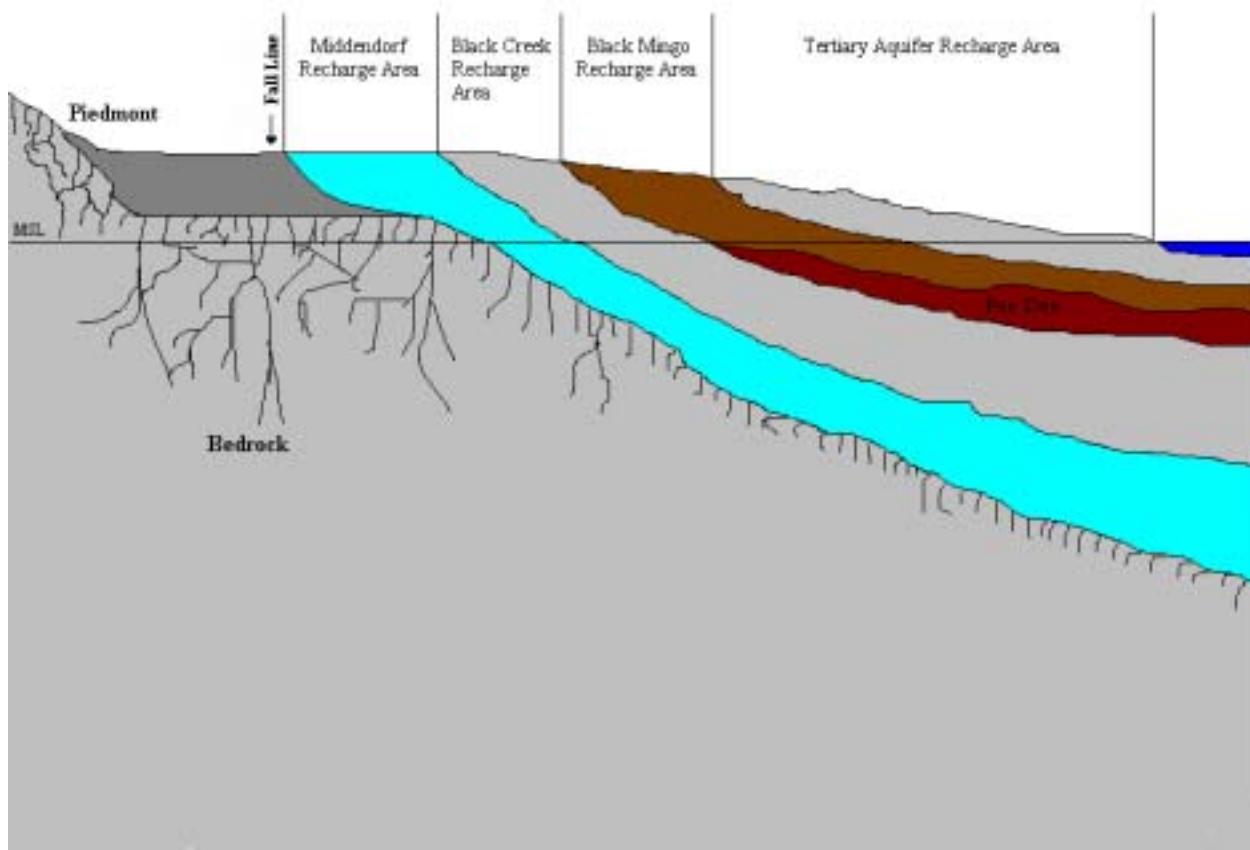


Figure 3. Generalized cross section indicating the spatial relations between the major coastal plain aquifers and the piedmont aquifer

added to the water as it passes through rock fracture systems as a result of the dissolution of less resistant bedrock minerals. The most notable difference in water chemistry between the saprolite and bedrock aquifer systems is the concentration of dissolved silica. In each of the nine well pairs described above, the concentration of silica was higher in the bedrock aquifer water samples (Appendix D). It is suspected that the higher silica in the bedrock wells is a function of residence time and the weathering of more readily leachable silica minerals in the transition zone. The variations in chemical concentration for parameters other than silica are not as consistent among the nine well pairs and within the individual well pairs. The lack of consistency among the well pairs may reflect lithologic variations in differing regions of the Piedmont

Comparison of analytical data from the bedrock wells using empirical criteria developed by LeGrand (1958), offers a means to differentiate between water from rock of a felsic compositions and that from rock with a mafic composition. These differences are made obvious by utilizing a Stiff Diagram (Figure 4). Felsic type bedrock consists of abundant silica and is poor in calcium (Ca) and magnesium (Mg). Mafic type bedrock contains less silica and is richer in calcium, magnesium, and iron. Water influenced by a mafic rock will tend to be higher in dissolved solids and harder (Ca, Mg, primarily) than water from felsic bedrock, and also tend to have a bicarbonate content greater than 70 parts per million (ppm). Granitic bedrock produces soft, acidic water with low dissolved solids content (LeGrand, 1958). By comparing analytical data from this present study with the surficial South Carolina Piedmont geology mapped and described by Overstreet and Bell (1965), six wells satisfied LeGrand's criteria for water having been influenced by mafic bedrock (Figure 5). Well number 110 in central Chester County is associated with an amphibolite unit consisting of mainly metamorphosed mafic lavas and tuffs. Well number 62 in the town of Fork Shoals is associated with a large, mappable Triassic diabase dike striking north-northwest in Greenville County. Relationships between mapped rock type and observed groundwater chemistry of the other Piedmont wells exhibiting mafic influence is not apparent. This is likely due to the variation in lithology with depth. Without detailed geologic logs for the wells, further detail in comparison is not appropriate.

Additional monitoring points in areas of known lithologies and a mineralogical analysis of the bedrock in each area would be necessary for a detailed comparison of water chemistry and lithology. The primary cation and anion measured in water from the Piedmont bedrock aquifer is calcium and bicarbonate, respectively (Figure 6), although all of the major ions (sodium, potassium, calcium, magnesium, chlorine, bicarbonate, and sulfate) are present at detectable concentrations in most samples

Saprolite Aquifer

Although the majority of South Carolina's Piedmont groundwater supplies come from the bedrock aquifer, the overlying regolith composed primarily of saprolitic soils is also a significant water producing unit. Saprolite is an in-place weathering product of the crystalline rock, which can be absent at some locations and over 150 feet thick in others. Because the saprolite has not been transported, many of the original structures of the parent bedrock (fractures, dikes, faults, foliations, etc.) are preserved and act as preferential paths of groundwater flow. Although there are many localized exceptions, saprolite in the South Carolina Piedmont is dominated by silt-sized particles, with varying amounts of sand and clay, depending upon the parent rocks original texture and mineralogy.

Because of its typically low hydraulic conductivity, saprolite generally provides low yielding wells and is normally suitable only for low-volume, domestic water demands. Saprolite aquifer wells are commonly installed with large-diameter (24 inch) boring equipment, and are more prone to contamination from bacteria and near-surface sources because of their characteristically shallow depth and construction methods (which often times do not create an adequate surface seal). Nine saprolite wells have been included in the monitoring network. As described in the previous section, saprolite aquifer water chemistry is similar to water in the underlying bedrock aquifer, with calcium and bicarbonate being the dominant ions (Figure 7).

Middendorf Aquifer

The Middendorf Aquifer directly overlies the crystalline bedrock and stretches from the upper coastal plain where it crops out to the Atlantic coast, and is then buried by younger coastal plain sediments at maximum depths of over 3000 feet (Figure 3). In the upper coastal plain, the Middendorf Aquifer provides groundwater to numerous domestic, municipal, and industrial users; however, it is tapped by only a few wells in the middle and lower coastal plain regions. The lower usage toward the coast is primarily a result of the presence of shallower, more economically developed aquifers such as the Black Creek and Tertiary limestone (Floridan) Aquifers.

Middendorf sediments are comprised of fine to coarse quartzitic and arkosic sands, with discontinuous interbeds of sandy clays, kaolins and gravel.

With regard to hydrogeologic properties, this aquifer has high transmissivities and is capable of yielding considerably greater than 1000 gpm. Of the network wells in the Middendorf Aquifer, yields ranged from 10 to 1012 gpm. The variability in productivity arises from differences in well construction and development, as well as local effects of aquifer transmissivity. Proper well development in the Middendorf Aquifer is vital in order to achieve maximum yields. An example of poor construction and low yields can be found by examining the records of a network well in the Eastover area of Richland County. In this case, the top 10 feet of well screen was placed in a kaolin clay bed, resulting in a low yielding well for that area. In the middle to lower coastal plain, Middendorf wells typically produce water under flowing artesian conditions. In the monitoring network, artesian Middendorf wells are sampled in Orangeburg, Walterboro and Parris Island.

Since the Middendorf Aquifer of the upper coastal plain is comprised of clean quartz sands which have been thoroughly leached, only a minimum concentration of ions are present in its water. As a result of its leached condition, Middendorf Aquifer water is represented as a very narrow, vertical area when plotted on a Stiff diagram. The Stiff Diagram pattern for this water approaches that of distilled (deionized) water. Groce (1980) described water from the Middendorf Aquifer in the upper coastal plain as being generally soft, acidic and low in dissolved solids, with locally high iron contents. The Middendorf Aquifer wells sampled in the upper coastal plain generally conform to this description. In contrast, lower coastal plain water from the Middendorf Aquifer is often highly mineralized. The trend of increased mineralization toward the coast is illustrated in Figure 8, which compares Middendorf wells representing the middle and lower coastal plain (Orangeburg and Walterboro, respectively) with a well within the upper coastal plain (Montmorenci). The downdip increase in ion concentration is thought to be largely a function of the residence time of the water in the aquifer (flow is from the updip

recharge area in the upper coastal plain toward downdip, coastal area), as well as from the possible mixing of more mineralized water from adjacent “leaky” aquifers.

Other changes in groundwater chemistry from the Middendorf’s shallow recharge area to deeper portions of the aquifer include a downdip increase in pH (Figure 9) and a less distinct increase in fluoride concentrations (Figure 10). The downdip increase in pH is partially attributable to the corresponding increase in the concentration of major ions which buffer natural acidity. This is in contrast to the much lower, acidic pH values found in the recharge area where buffering effects are not significant. A Piper diagram (Figures 11,12,13) of Middendorf, Black Creek and Tertiary Limestone water chemistry indicates a generally poor grouping of points that represent the ratio of various major anions and cations. This lack of dense clustering of points illustrates the high degree of variability in groundwater chemistry within each of these aquifers.

Tertiary Sand Aquifer

The Tertiary Sand Aquifer includes parts of the McBean, Barnwell and Congaree formations, which make up part of the Orangeburg Group. The sediments of these formations include fine to coarse-grained massive clean sands and glauconitic sands, interbedded with marls and clays. This aquifer provides water to generally shallow wells in an area that is confined to the southwestern portion of the upper coastal plain.

In the monitoring network, the Tertiary Sand Aquifer wells in the City of Lexington and the Town of North produce waters that are depleted in the major ions and have low (acidic) pH values. This water chemistry is very similar to that described previously for the Middendorf Aquifer.

Black Creek Aquifer

The Black Creek Aquifer is an important source of groundwater in the central coastal plain portion of the monitoring network, namely Barnwell, Bamberg, and Orangeburg counties. This aquifer consists of medium to coarse grained glauconitic and phosphatic quartzose sands interbedded with lenses of lignitic and micaceous clays. In some areas, the Black Creek Aquifer is hydraulically similar to and is screened in the same well with the underlying Middendorf Aquifer. Yields of over 1000 gpm from the Black Creek are quite common. Yields that were recorded for Black Creek wells in the monitoring network ranged from 50 to 1500 gpm.

Similar to the Middendorf Aquifer, Black Creek Aquifer water chemistry also indicates a relationship between distance from recharge area and certain chemical concentrations. This relationship is illustrated in Figure 14, which indicates a downdip increase in chloride and a similar trend, although less distinct, for fluoride (Figure 15). The high fluoride values in the Black Creek is attributable to the presence of fluorapatite in the aquifer.

Values of pH in the Black Creek Aquifer are generally alkaline, with a much less distinct trend toward higher downdip values which are observed in the Middendorf Aquifer (Figure 16).

Stiff Diagram

Piedmont Aquifer: Abbeville-Starr-MtnRest-McCormick

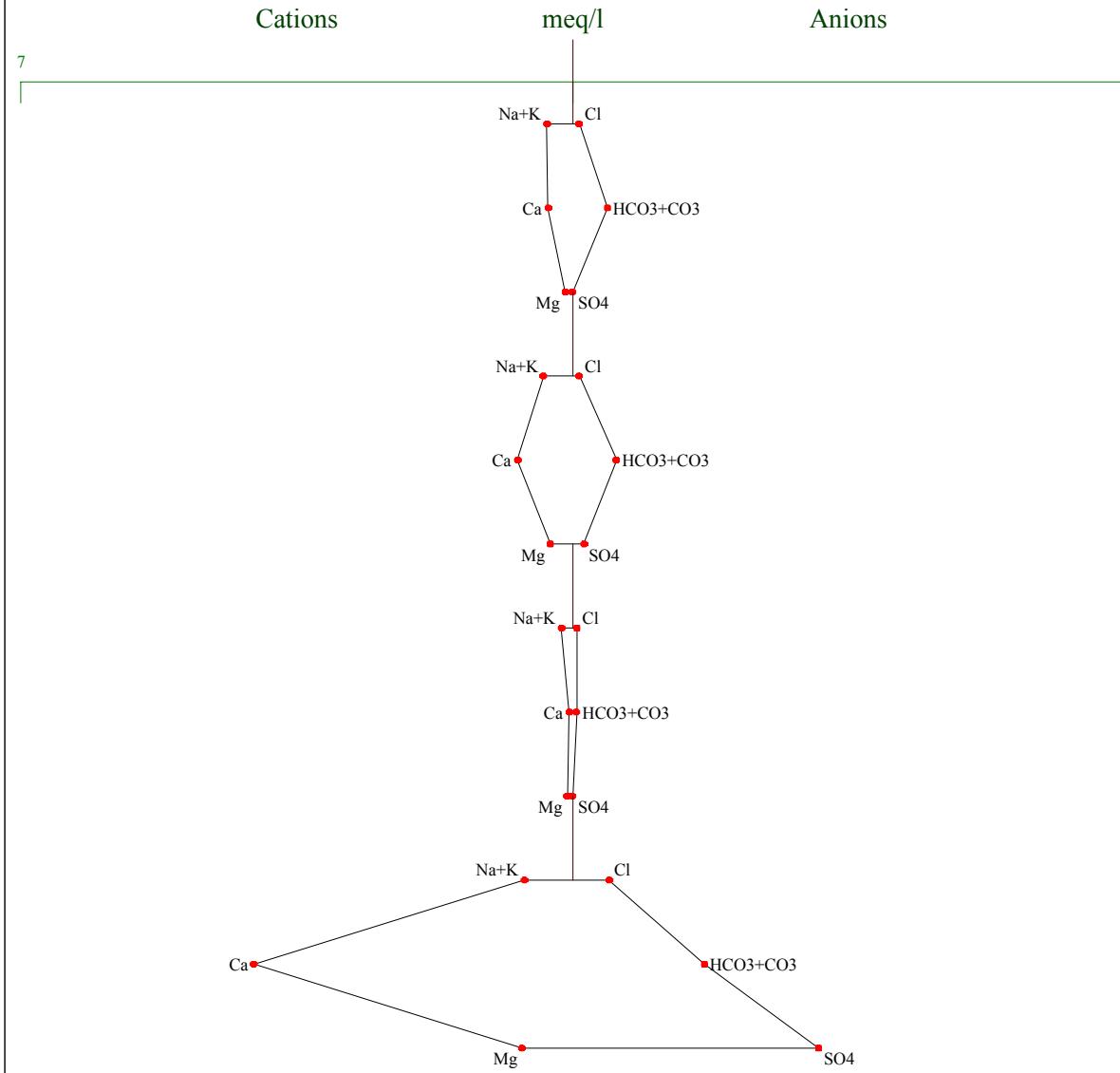
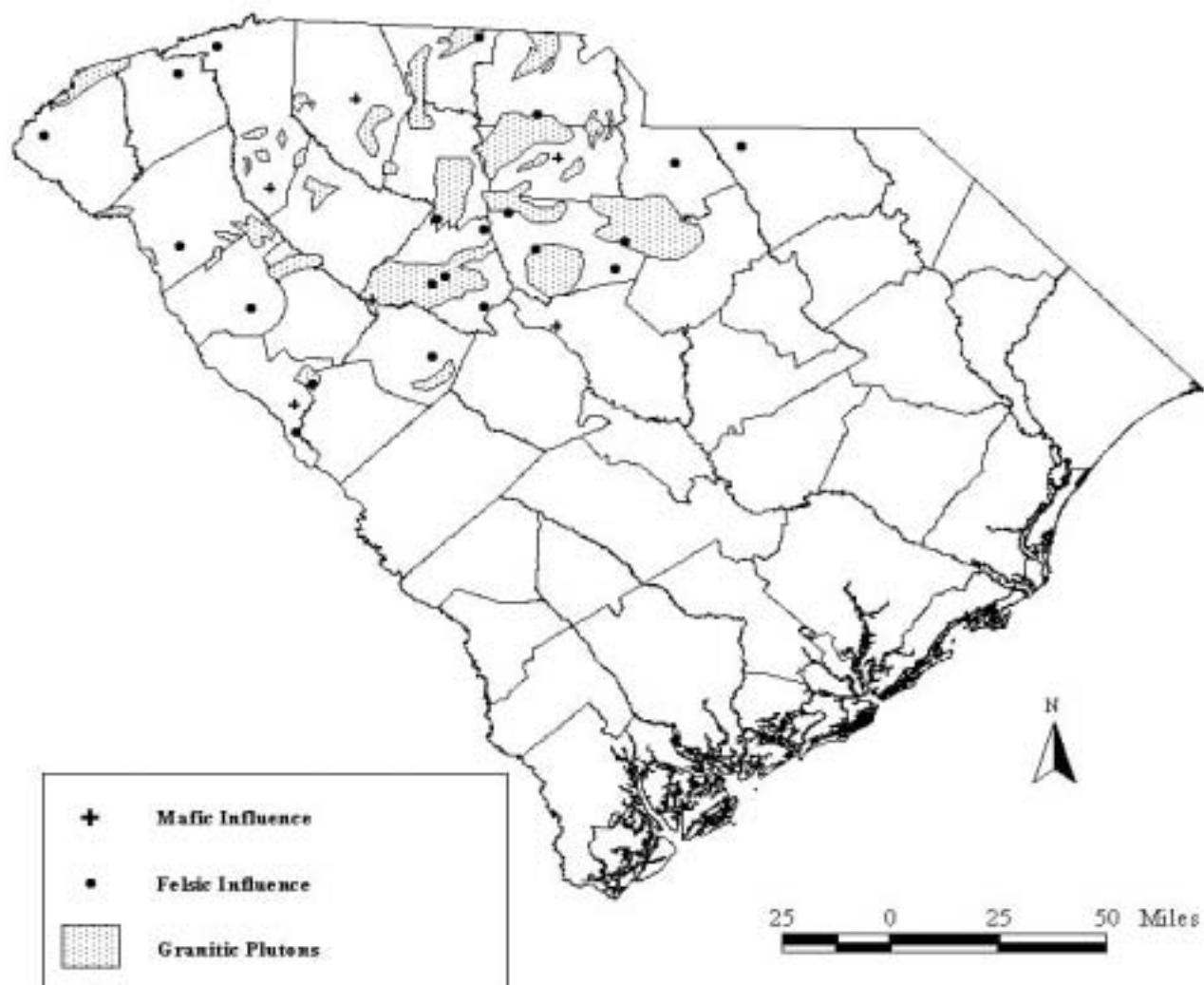


Figure 4. Stiff diagram of Piedmont Bedrock Aquifer chemistry in 4 random locations

Granitic Plutons in the Piedmont



(Overstreet and Bell, 1965)

Figure 5. Map of Piedmont wells and possible ground water chemistry influences

Piper Diagram

Piedmont Bedrock Aquifer

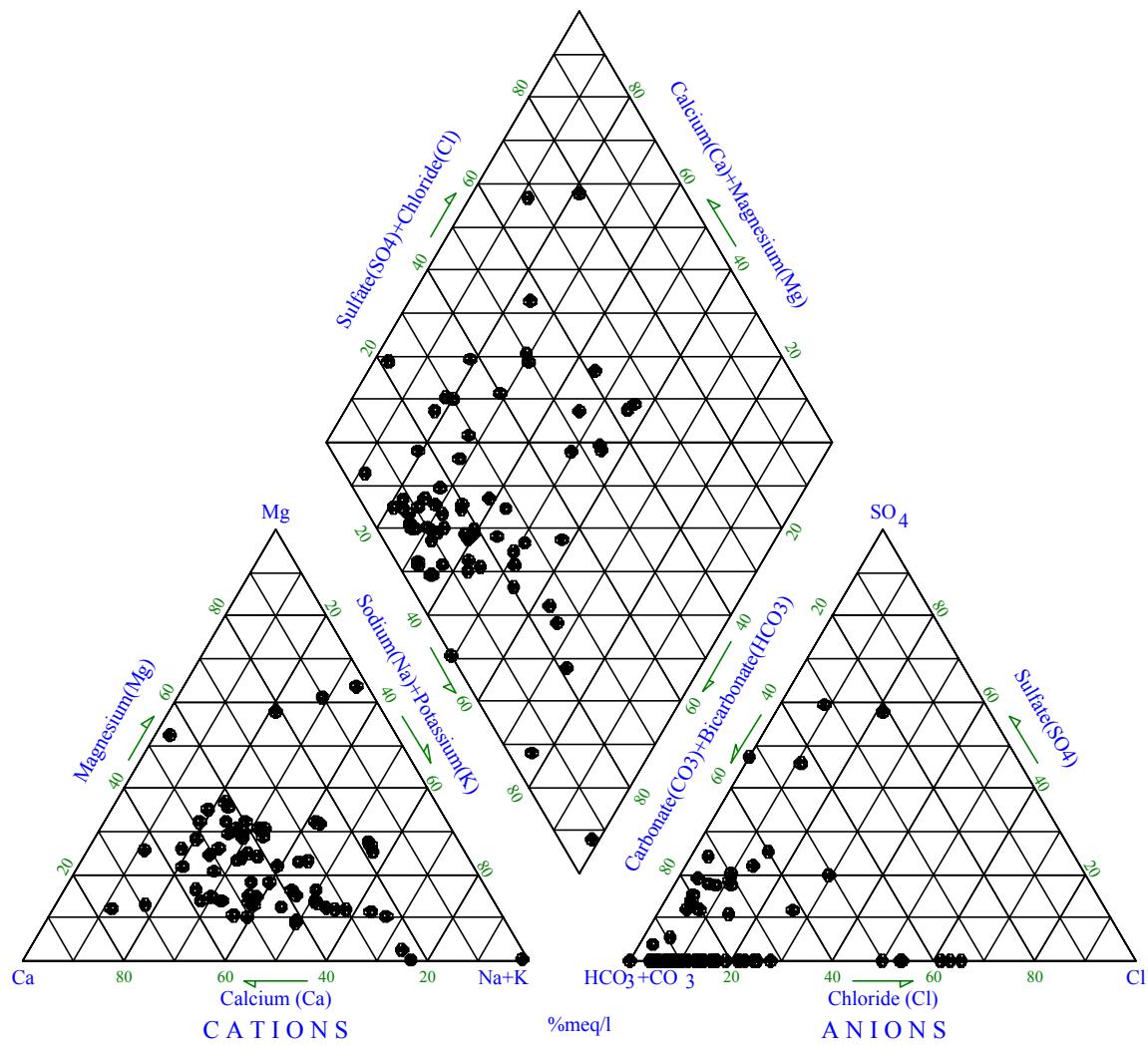


Figure 6. Piper diagram of the Piedmont Bedrock Aquifer

Piper Diagram

Piedmont Saprolite Aquifer

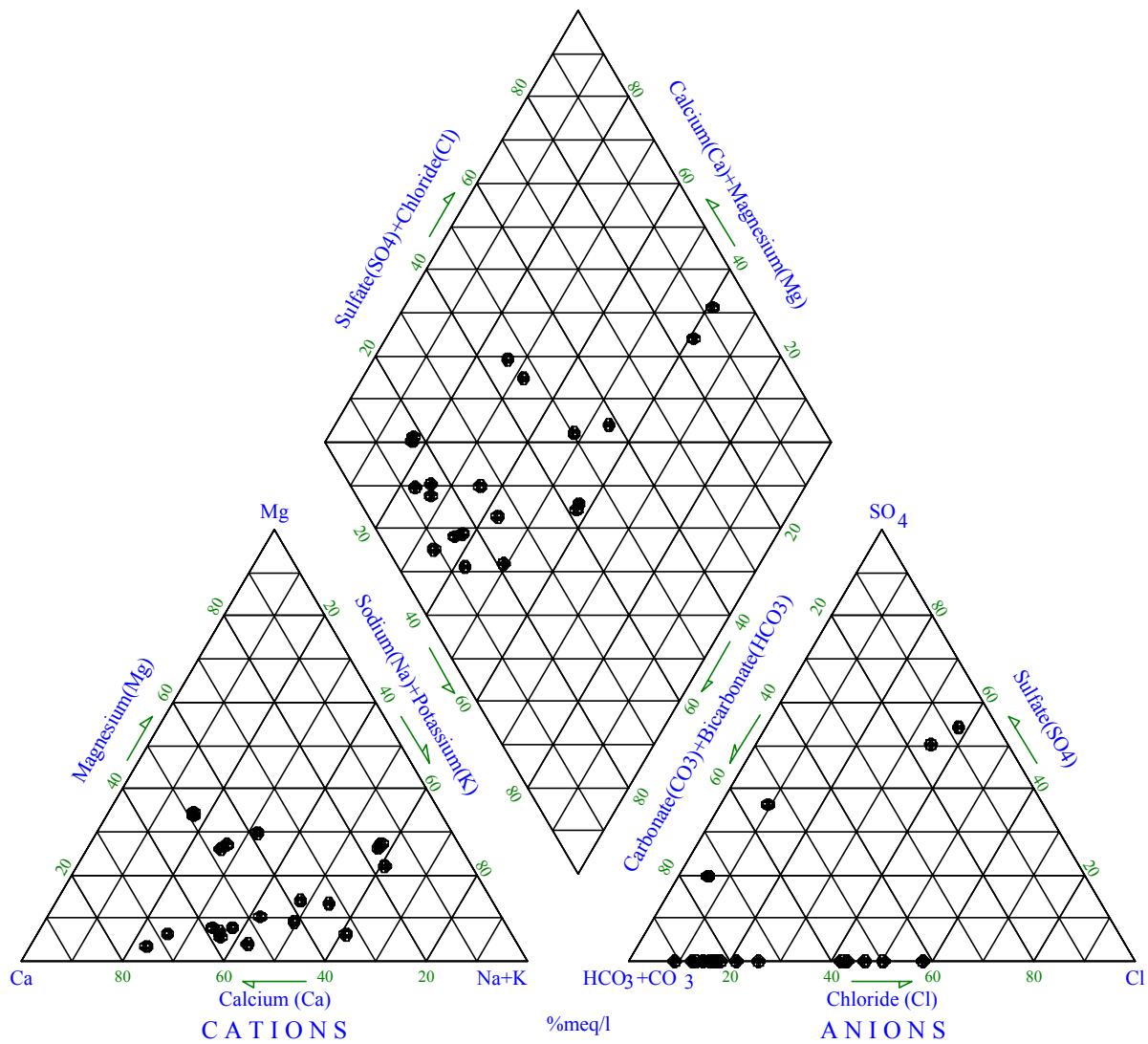


Figure 7. Piper diagram of the Saprolite Aquifer

Stiff Diagram

Middendorf Aquifer: Montmorenci-Orangeburg-Walterboro

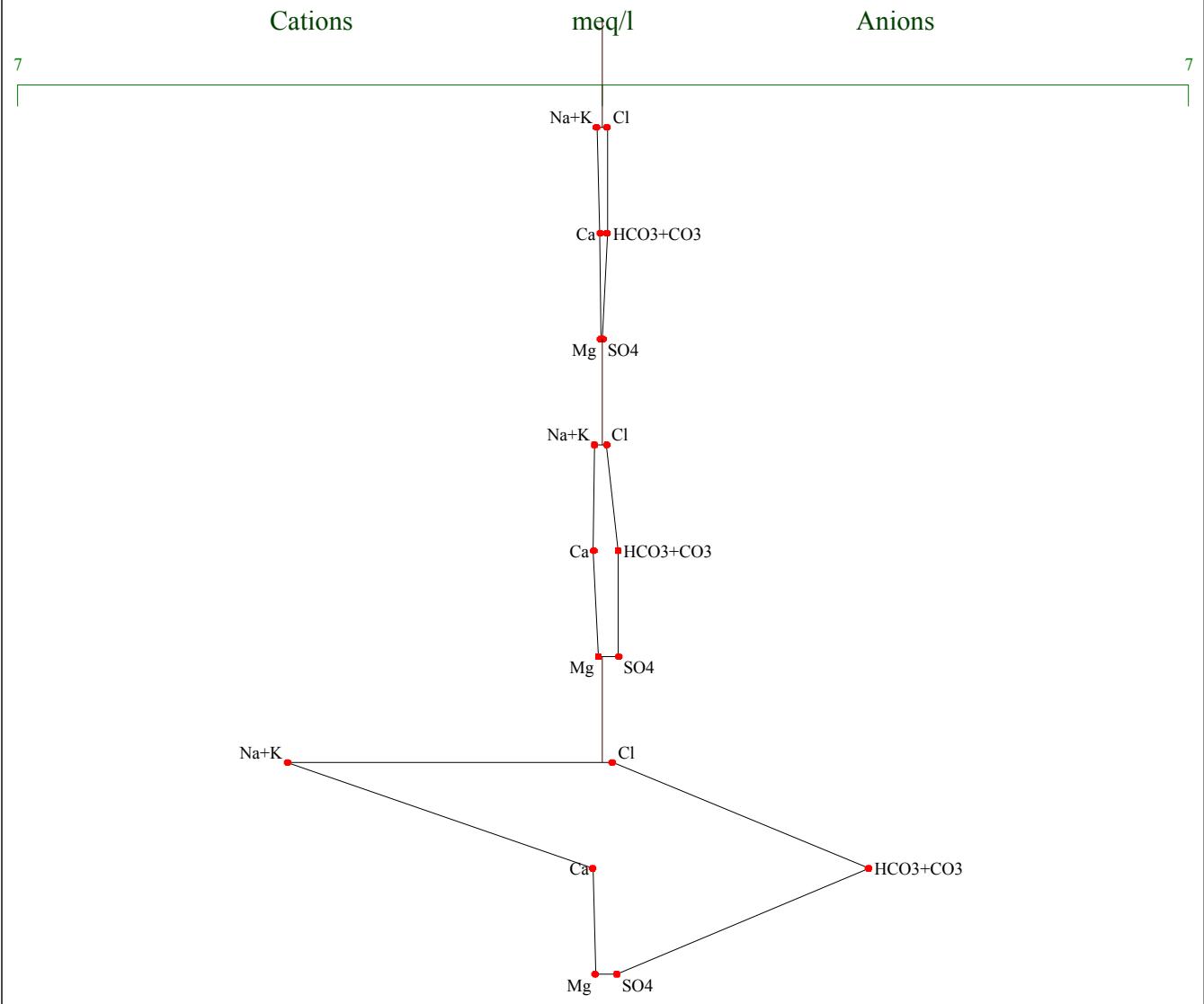


Figure 8. Stiff diagram of Middendorf Aquifer chemistry

Middendorf Aquifer

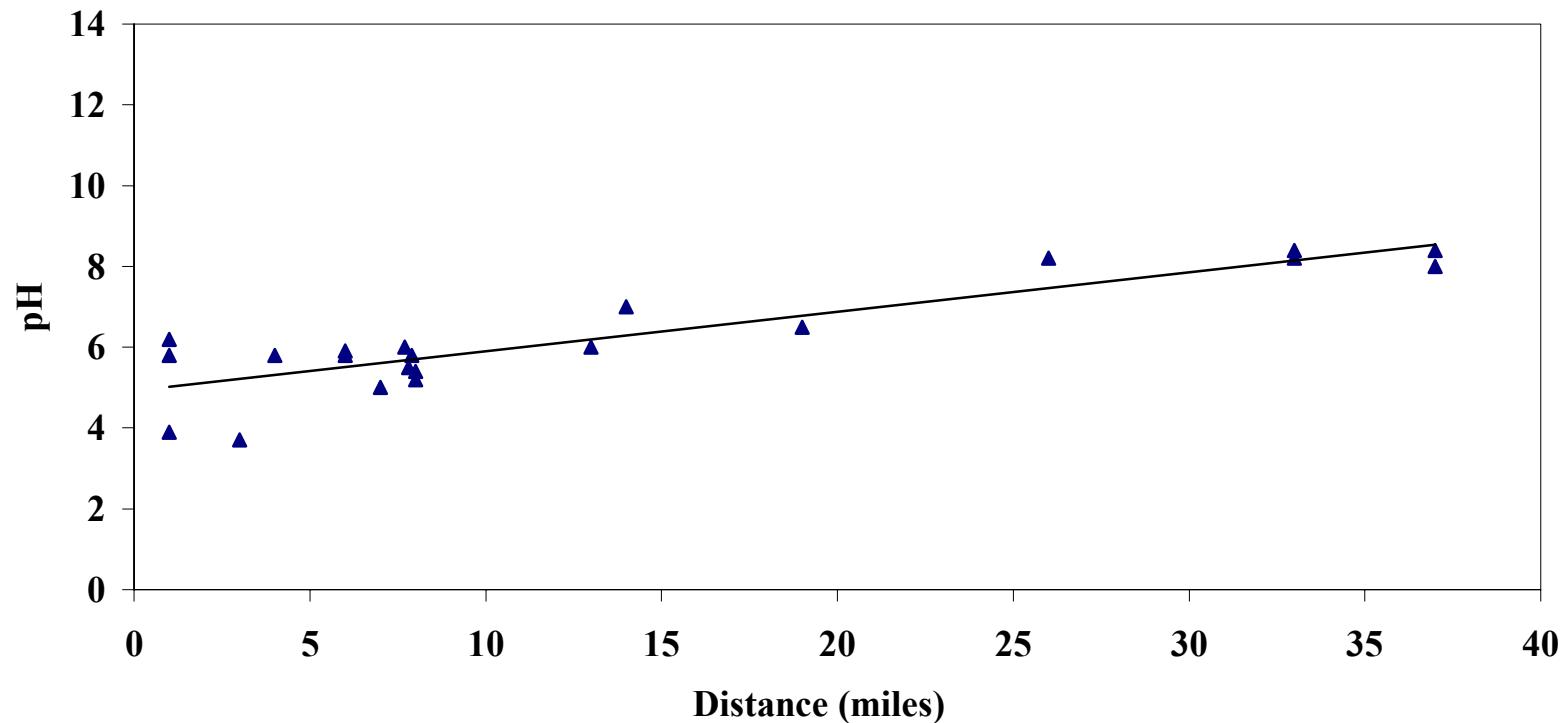


Figure 9. Graph representing the trend of pH in the Middendorf Aquifer relative to the distance from the Aquifer's primary recharge area.

Middendorf Aquifer

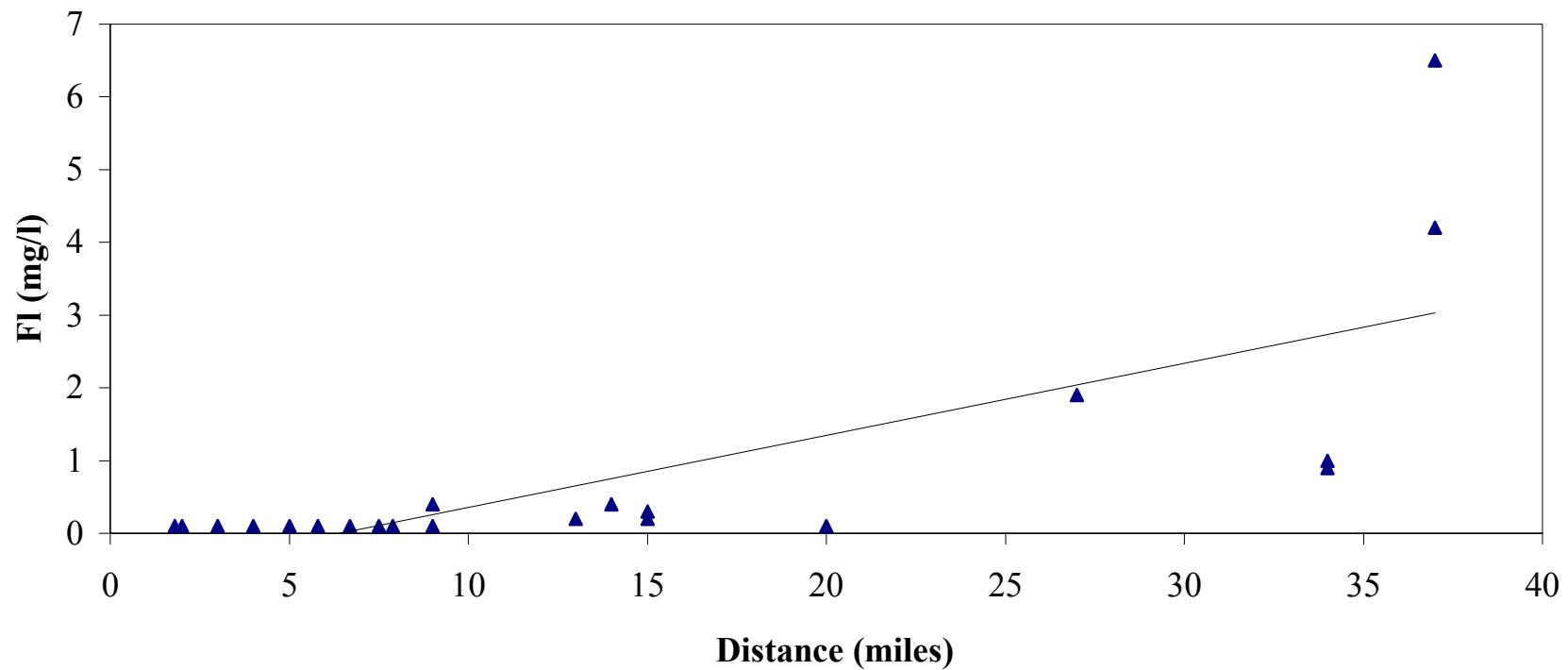


Figure 10. Graph representing the trend of fluorine in the Middendorf Aquifer relative to distance from the aquifer's primary recharge area

Piper Diagram

Middendorf Aquifer

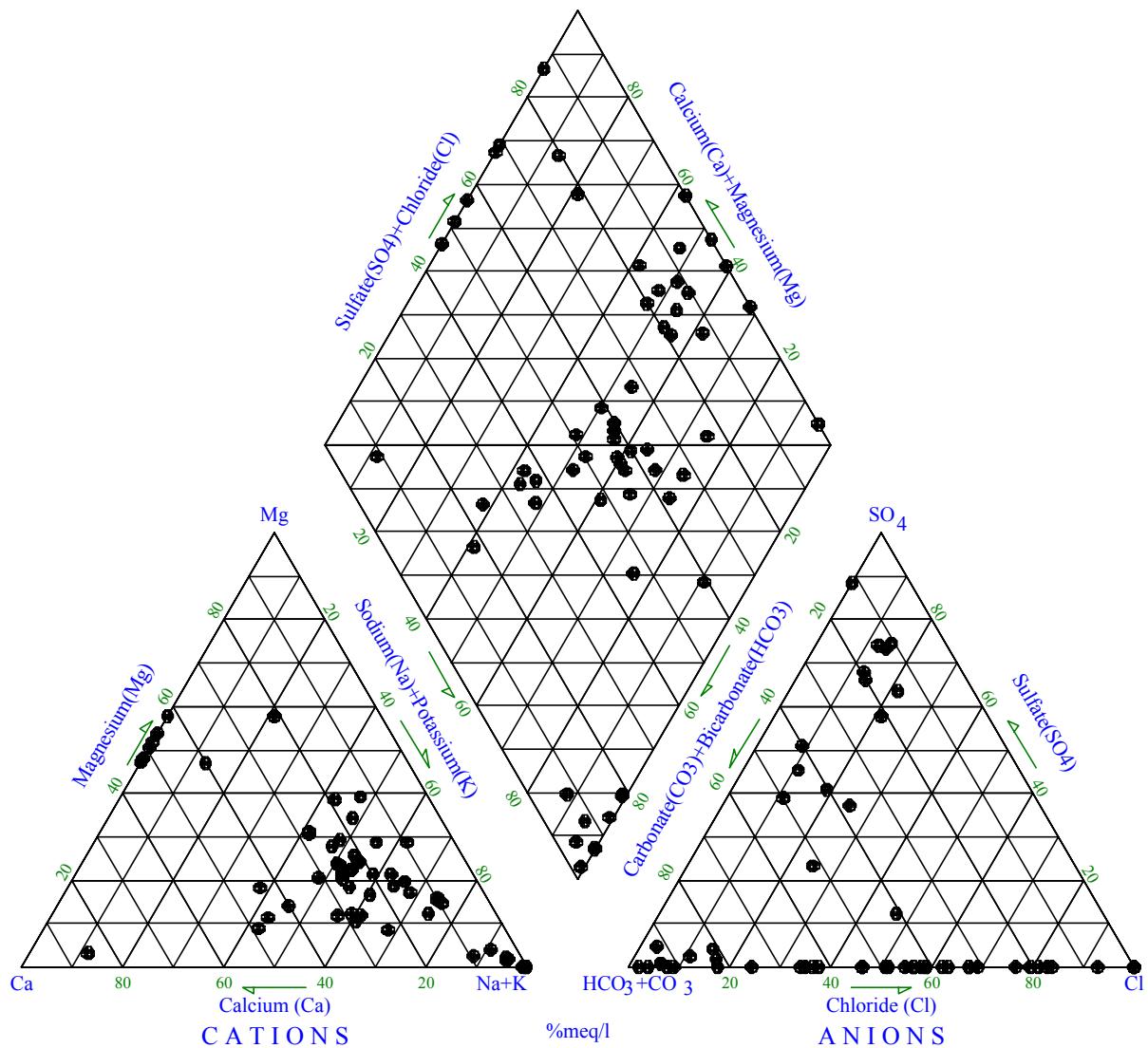


Figure 11. Piper diagram of the Middendorf Aquifer

Piper Diagram

Black Creek Aquifer

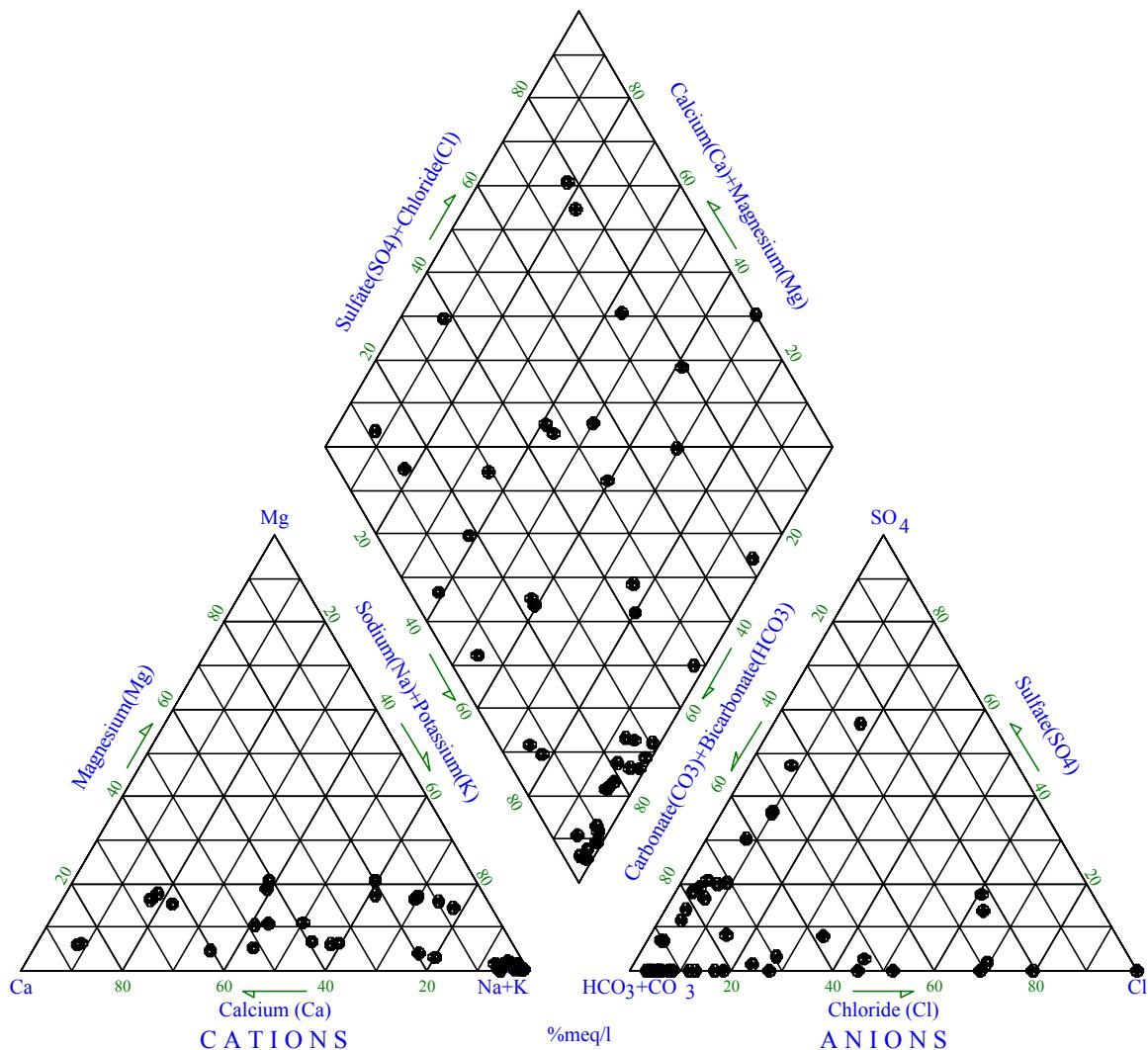


Figure 12. Piper diagram of the Black Creek Aquifer

Piper Diagram

Floridan Aquifer

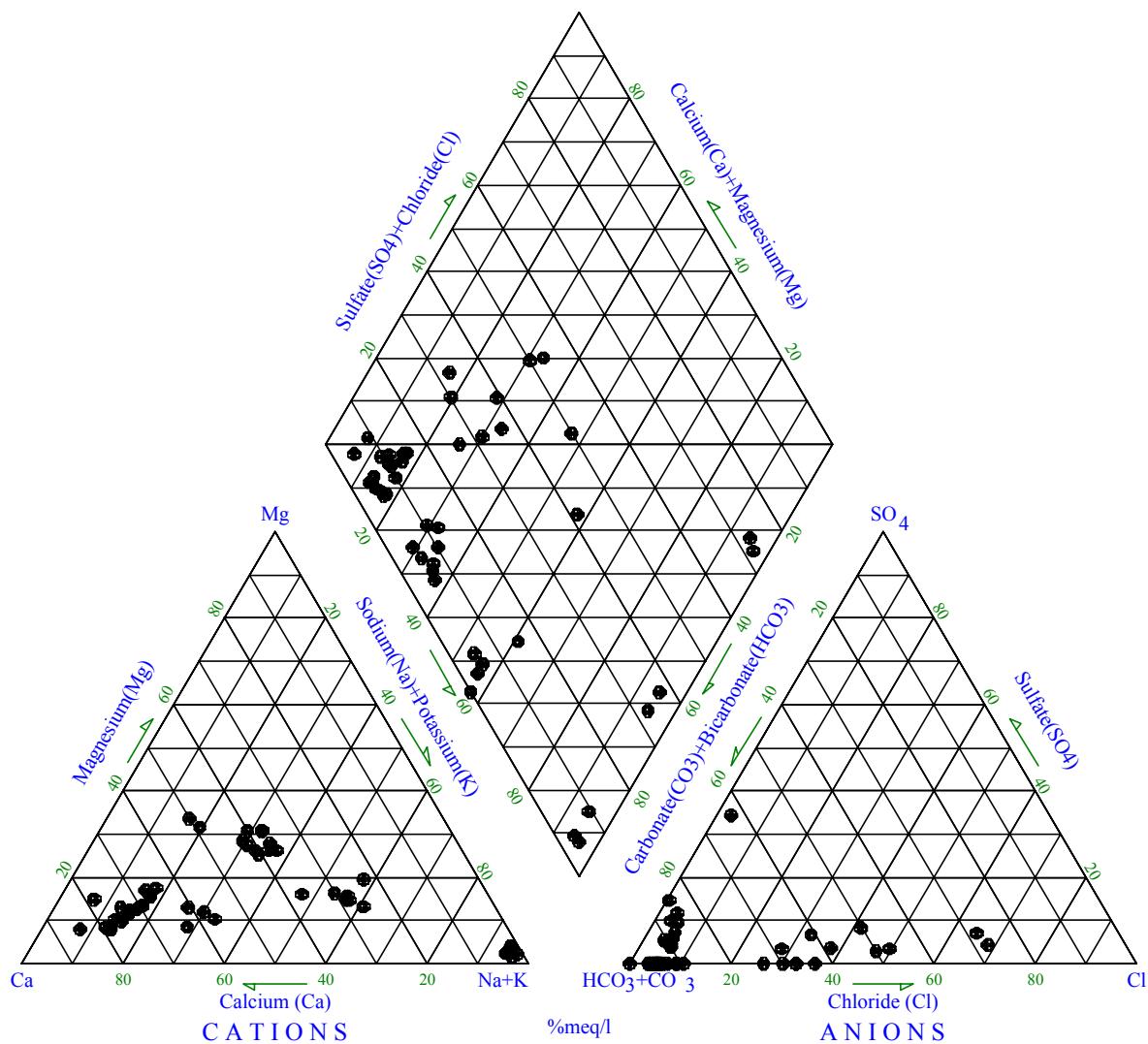


Figure 13. Piper diagram of the Floridan Aquifer

Black Creek Aquifer

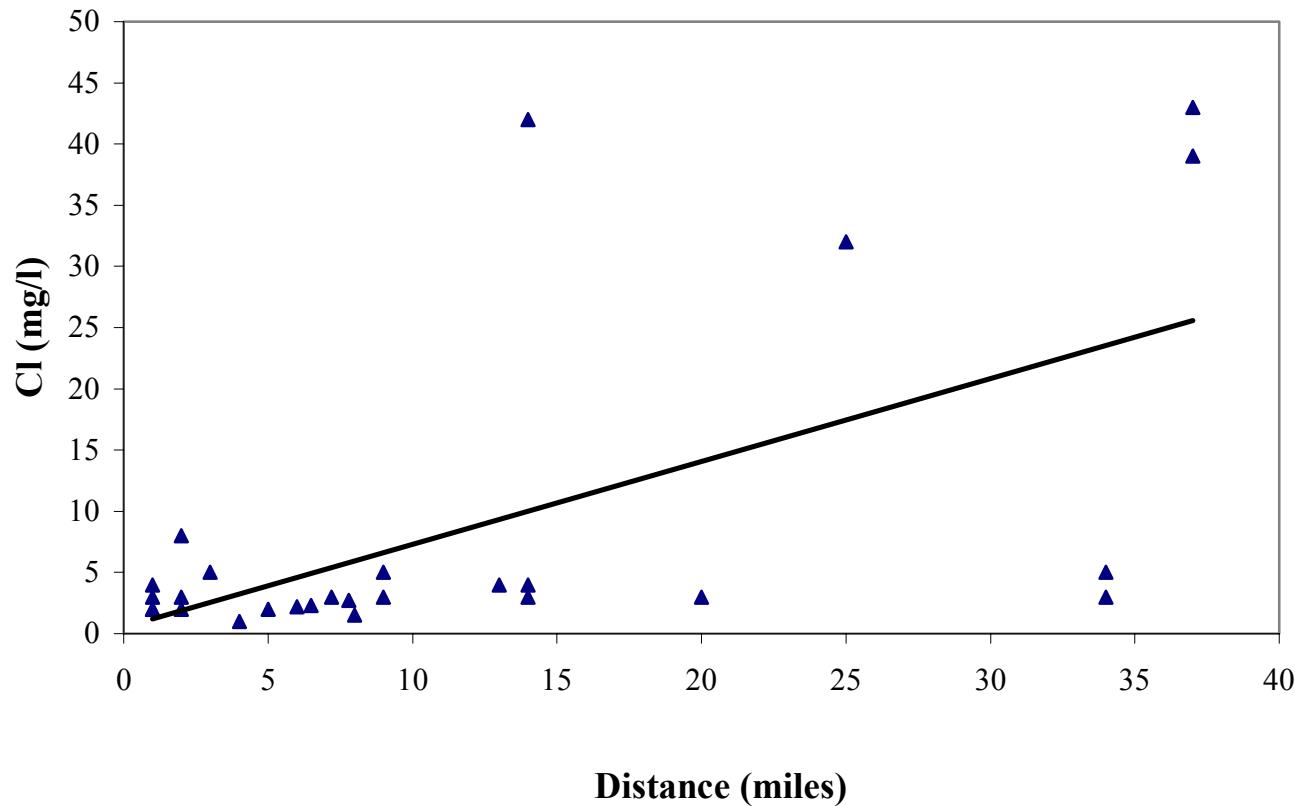


Figure 14. Graph representing the trend of chloride in the Black Creek Aquifer relative to the distance from the aquifer's primary recharge area.

Black Creek Aquifer

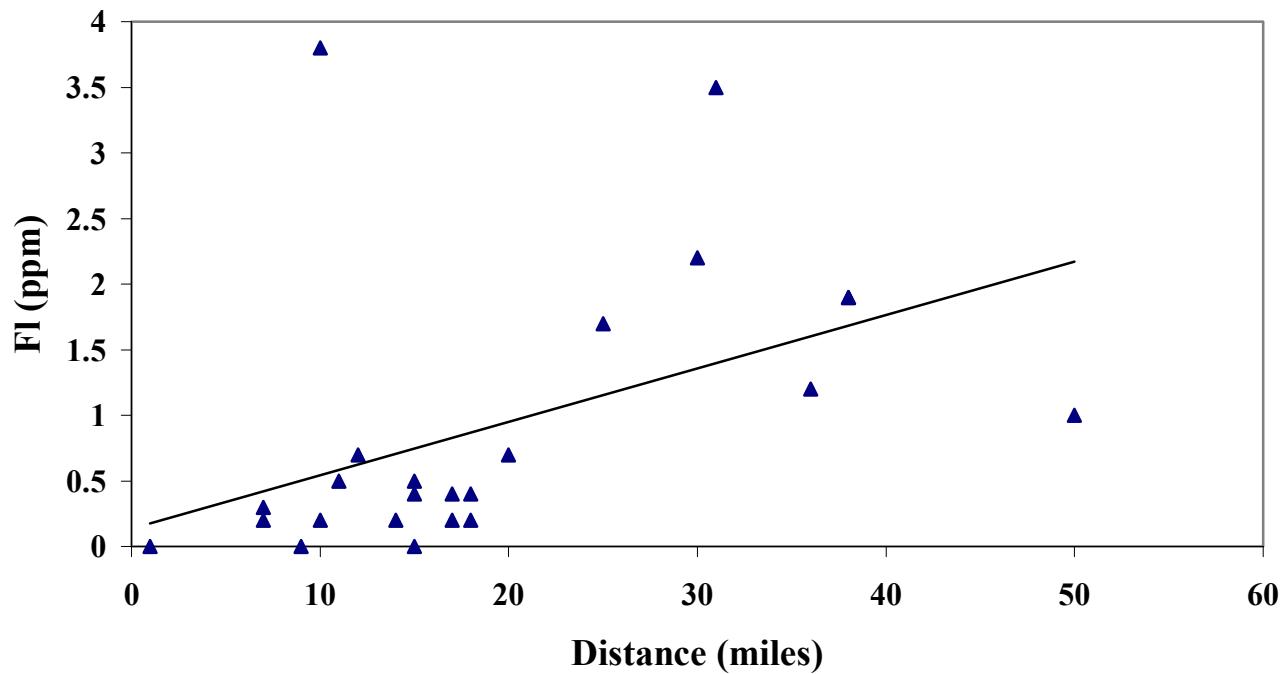


Figure 15. Graph representing the trend of fluoride in the Black Creek Aquifer relative to the distance from the aquifer's primary recharge area.

Black Creek Aquifer

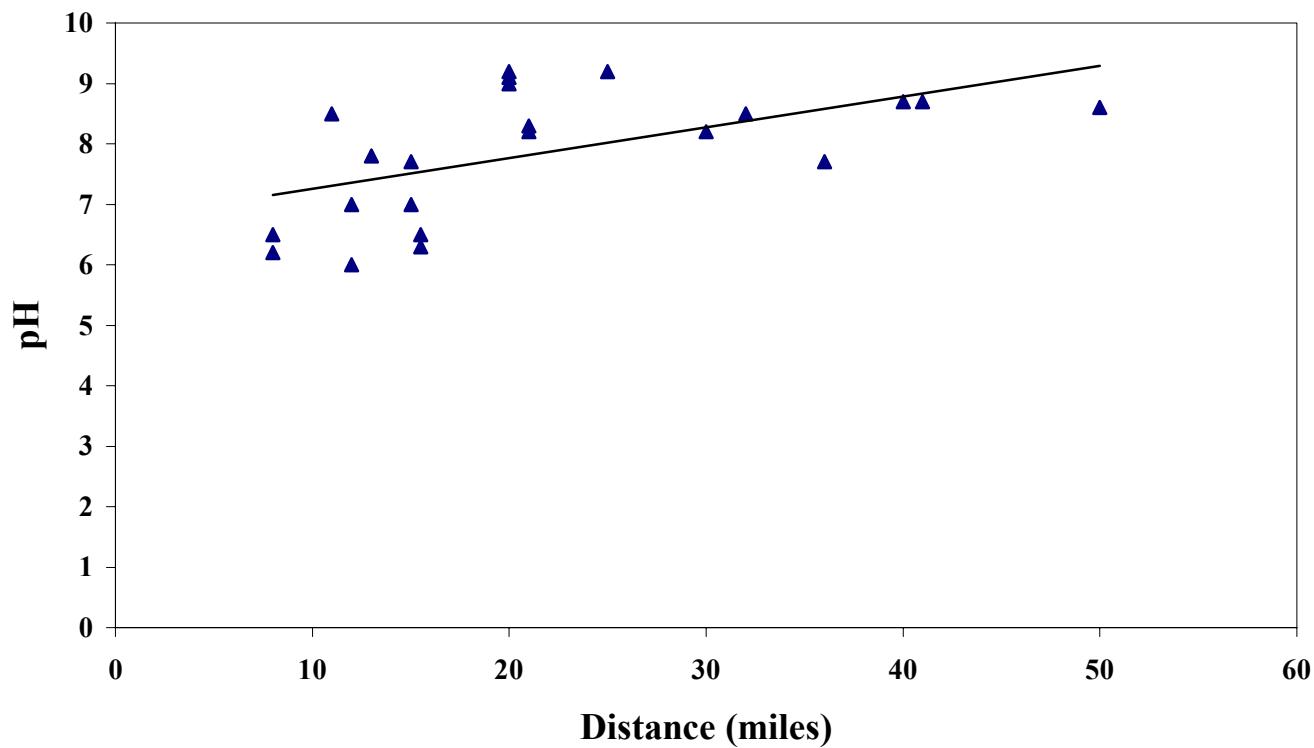


Figure 16. Graph representing the trend of pH in the Black Creek Aquifer relative to the distance from the Aquifer's primary recharge area.

Stiff Diagram

Florian Aquifer: WSBH-Ridgeland-Blufton-Hilton Head

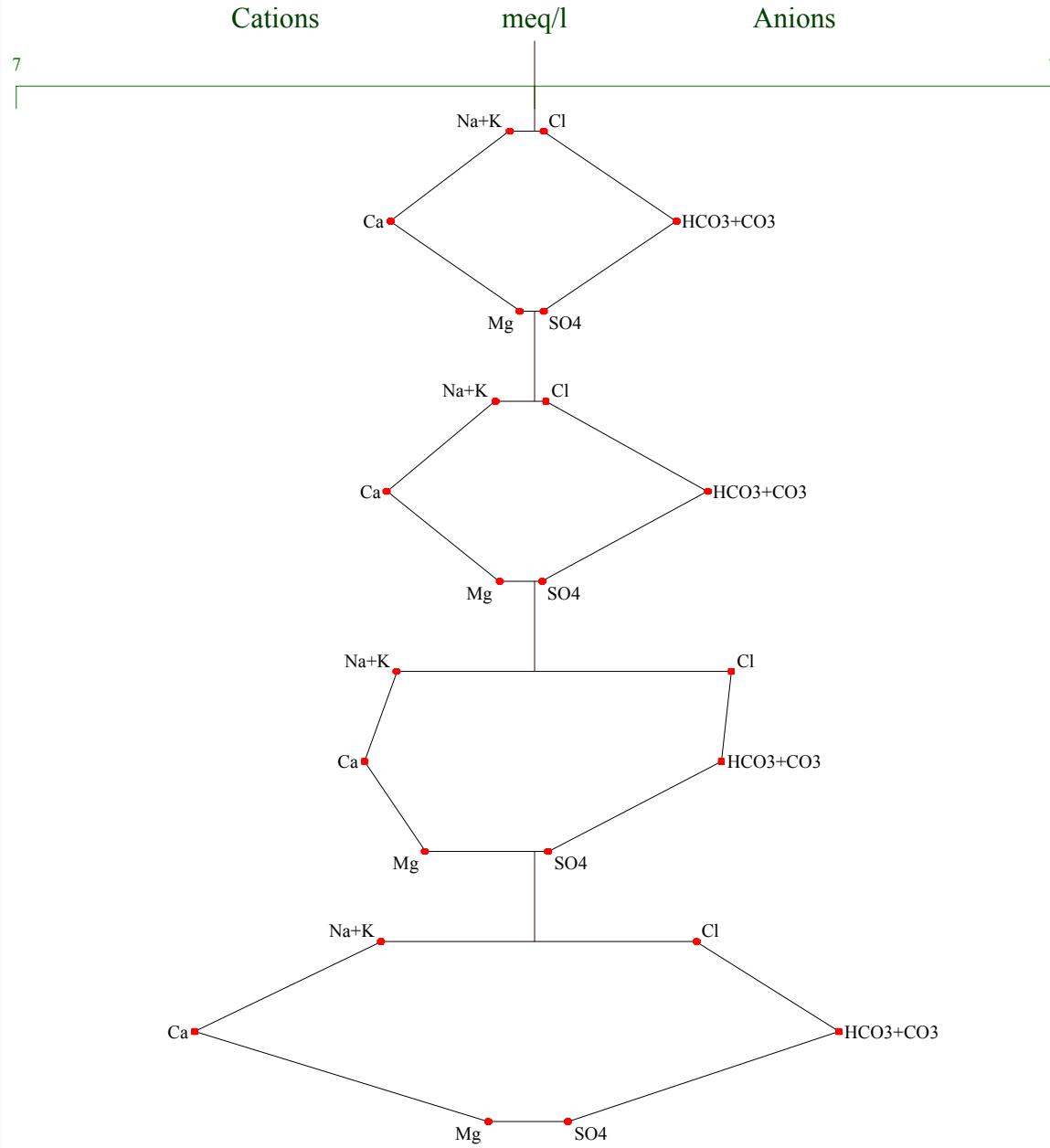


Figure 17. Stiff diagram of Floridan Aquifer chemistry

Tertiary Limestone Aquifer

In South Carolina, the Tertiary Limestone Aquifer (Floridan) is utilized primarily in the Low Country region (Beaufort, Jasper, and Colleton Counties) and underlies the entire area south of and including parts of Barnwell, Orangeburg and Berkeley Counties. This aquifer provides over 80 percent of the groundwater for the Low Country.

The Tertiary Limestone Aquifer includes parts of the Cooper Group, Ocala, Castle Hayne and Santee limestones. These units are composed of limestone that ranges from white, fossiliferous and pure to impure sandy and clayey varieties. Well yields vary from less than 10 gpm to greater than 1000 gpm and are controlled by the occurrence of solution cavities and openings in the limestone. Wells in this aquifer are completed as "open holes", with a solid casing extended down into the top few feet of competent rock and grouted to the surface.

Water from the Tertiary Limestone Aquifer can be distinguished from the other noncarbonate aquifers in the State by its high concentration of calcium and bicarbonate ions (Figure 17) and alkaline pH (Appendix D). This elevated ion concentration is also reflected in specific conductance and total dissolved solids (TDS) levels. At wells within approximately one mile of the seacoast, sodium is the dominant cation, apparently a result of seawater/freshwater mixing. Sodium also exists at higher concentrations than calcium in Walterboro, which is approximately 35 miles from the coast. In this case, the increased level of sodium may possibly be attributed to the cone of depression that has been formed in the aquifer, allowing water from the lower portions of the aquifer to migrate upward. Like sodium, chloride concentrations were also found to be elevated in several coastal well samples, apparently the result of their proximity to the saltwater wedge. A similar trend of high sodium and chloride near the coast can be observed in results of samples obtained from wells in the surficial sand aquifer at Bennet's Point and Edisto Beach #13 (Colleton County).

Among other parameters of note, fluoride concentrations ranged from .1 to 1.4 ppm (average = .53) and strontium concentrations ranged from .06 to 1.2 ppm (average = .42 ppm). The presence of strontium may be attributed to the existence of fossils within the limestone that are typically enriched in strontium.

Surficial Sands

The Surficial Sands aquifer is a shallow, coastal aquifer that is utilized mainly by relatively shallow private wells. As its name implies the aquifer consists mainly of sands and is the water table aquifer in most of its extent. Due to its proximity to both the surface and the ocean the water is predictably high in dissolved solids and has elevated levels of Na, Cl, and a widely varied pH ranging from 6.2 to 8.6. Amounts of dissolved solids are also widely varied, ranging from 80 to 2400 ppm. Water pumped from this aquifer typically has an obvious odor and distinct taste but is still within standards for drinking water. Despite the higher levels of dissolved solids this aquifer is frequently used because of its proximity to the surface and its decent yields.

SUMMARY

An ambient groundwater quality monitoring network for South Carolina's major aquifers has been outlined and established throughout the State. Network organization includes the consideration of factors such as well selection, sampling intervals and methods, chemical

analysis, data management, a network implementation schedule and estimates of overall expenses.

The network has obtained samples primarily from public supply wells to analyze a wide variety of chemical parameters. Data derived from well records and chemical analyses are managed with Microsoft excel. Graphical presentation of the data was performed utilizing Rockworks Graphical System.

Water samples have been collected at 116 wells, representing portions of nine different aquifers. Water quality and chemistry was found to be highly variable among the aquifers, as well as among differing regions of the same aquifer. Chemical results indicate that a general coastward trend of increasingly mineralized groundwater exists. Water from the shallower and leached sedimentary units of the upper coastal plain are generally free of significant concentrations of the major ions and, because of a lack of buffering action, are acidic. In the Piedmont, water samples from well “pairs” indicate that a majority of the groundwater’s chemical signature is developed in the overlying saprolite aquifer, although some changes in water chemistry continue to occur as water migrates through the deeper bedrock aquifer. These changes can be used to identify gross composition of the bedrock.

The data generated from the groundwater monitoring network provides both a baseline of information to be used in future groundwater investigations, and a better understanding of the chemical nature of one of South Carolina’s most essential resources.

Acknowledgements

This report borrowed generously from the 2000 Ambient Groundwater Quality Monitoring Network report written by Chad Reihm. Thanks are also due to Rob Devlin, David Baize, Sally Knowles, and Alton Boozer for their editing and input. The cooperation of municipal and private well owners was also a critical factor and well appreciated. This report has been funded by the U.S. Environmental Protection Agency, Region IV, through Section 106 of the Clean Water Act.

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Appendix A

AMBIENT MONITORING NETWORK GROUNDWATER QUALITY PARAMETERS

nitrate + nitrite
hardness
chloride
sulfate
TDS
pH
alkalinity
fluoride
TOC
specific conductivity
aluminum
beryllium
boron
cobalt
strontium
mercury
molybdenum
TKN
silica
zinc
calcium
magnesium
sodium
potassium
arsenic
barium
copper
iron
lead
manganese
selenium
silver
tin
uranium
cadmium
chromium
nickel
antimony
lithium

Appendix B

Maximum Contaminant Levels

The maximum contaminant levels for inorganic chemicals are as follows:

<u>Contaminant</u>	<u>Level (mg/l)</u>
Antimony	0.006
Arsenic	0.05
Barium	2.0
Beryllium	0.004
Cadmium	0.005
Chromium	0.10
Fluoride	4.0
Lead	0.015
Mercury	0.002
Nickel	0.1
Nitrate (as N)	10.0
Nitrite (as N)	1.0
Selenium	0.05

Secondary Maximum Contaminant Levels

The secondary maximum contaminant levels are applicable to both community and non-community water systems. The secondary maximum contaminant levels are as follows:

<u>Contaminant</u>	<u>Level</u>
Aluminum	0.05 to .2 mg/l
Chloride	250 mg/l
Color	15 color units
Copper	1 mg/l
Corrosivity	Noncorrosive
Fluoride	2.0 mg/l
Foaming Agents	0.5 mg/l
Iron	0.3 mg/l
Manganese	0.05 mg/l
Odor	3 threshold odor #
pH	6.5-8.5
Silver	0.10 mg/l
Sulfate	250 mg/l
Total Dissolved Solids (TDS)	500 mg/l
Zinc	5 mg/l

Source: National Primary Drinking Water Regulations – EPA's Drinking Water Standards, <http://www.epa.gov/safewater/mcl.html>

Appendix C

Ambient Groundwater Quality Network Well #'s and Location
by County

WELL #	LOCATION	COUNTY	WELL #	LOCATION	COUNTY
01	Bamberg	Bamberg	59	Lake Wateree St Pk	Fairfield
02	Williston	Barnwell	60	Jenkinsville #4	Fairfield
03	Elloree	Orangeburg	61	Mauldin	Greenville
04	Bowman	Orangeburg	62	Fork Shoals	Greenville
05	Lake View #1	Dillon	63	Gilbert	Lexington
06	Latta #1	Dillon	64	Little Mountain	Newberry
07	Johnsonville	Florence	65	East Cntrl Newberry	Newberry
08	McLeod Med Center	Florence	66	Newberry	Newberry
09	Olanta	Florence	67	Whitmire	Newberry
10	Pamplico #1	Florence	68	Chappells	Newberry
11	Andrews #2	Georgetown	69	Newberry	Newberry
12	Georgetown #2	Georgetown	70	Mountain Rest	Oconee
13	Conway #6	Horry	71	Pickens	Pickens
14	Surfside-Poplar St.	Horry	72	Ballentine	Richland
15	Myrtlewood	Horry	73	Union	Union
16	Longs #2	Horry	74	Guthries	York
17	Mullins-Gapway	Marion	75	Abbeville	Abbeville
18	Oakland Plantation	Sumter	76	Starr (deep)	Anderson
19	Watson Correctional	Sumter	77	Blacksburg	Cherokee
20	Kingtree RT 377	Williamsburg	78	Mauldin	Greenville
21	St. Stephens	Berkeley	79	Fork Shoals	Greenville
22	Summerville #5	Dorchester	80	Newberry	Newberry
23	Cainho High School	Berkeley	81	Mountain Rest	Oconee
24	Santee Cooper	Berkeley	82	Pickens	Pickens
25	St. Matthews	Calhoun	83	Union	Union
26	Wagener	Aiken	84	McClellanville	Charlestown
27	North Augusta	Aiken	85	Edisto Beach (13)	Colleton
28	Montmorenci-Coucht	Aiken	86	Bennetts Point	Colleton
29	Parris Island	Beaufort	87	North Santee	Georgetown
30	Patrick #1	Chesterfield	88	Socastee	Horry
31	Walterboro (50)	Colleton	89	Fairfax	Allendale
32	Main Street	Darlington	90	Frogmore	Beaufort
33	Hartsville #4	Darlington	91	Sheldon	Beaufort
34	Timmonsville #2	Florence	92	Hilton Head Island	Beaufort
35	S. Ballard Street	Florence	93	Bluffton	Beaufort
36	Elgin	Kershaw	94	Walterboro (29)	Colleton
37	Bethune	Kershaw	95	Edisto Beach (4)	Colleton
38	Camden	Kershaw	96	Lieber Correctional	Dorchester
39	Bishopville #4	Lee	97	Hardeeville	Jasper
40	Swansea	Lexington	98	Ridgeland	Jasper
41	Summit	Lexington	99	Grays	Jasper
42	Hidden Valley	Lexington	100	Cope	Orangeburg
43	Clio	Marlboro	101	Orng Fish Hatchery(2)	Orangeburg
44	Orng Fish Hatchery(1)	Orangeburg	102	Blackville	Barnwell
45	Fort Jackson	Richland	103	Lex-Oak Grove Elem	Lexington
46	Spring Valley	Richland	104	North	Orangeburg
47	Hopkins	Richland	105	Pickney Estates	Sumter
48	North of Eastover	Richland	106	Hamilton Branch	McCormick
49	Sumter Plant 1- #3	Sumter	107	N.W. Edgefield Co.	Edgefield
50	Hemingway	Williamsburg	108	Caesar's Head	Greenville
51	Allendale	Allendale	109	Spartanburg	Spartanburg
52	Eutaw Springs	Orangeburg	110	Chester State Park	Chester
53	Moncks Corner	Berkeley	111	White Bluff Baptist	Lancaster
54	Abbeville	Abbeville	112	Westside Estates	Chesterfield
55	Starr	Anderson	113	Amick Poultry	Saluda
56	Blacksburg	Cherokee	114	WSBH Radio	Hampton
57	Jenkinsville #11	Fairfield	115	McCormick	McCormick
58	Ridgeway	Fairfield	116	Pelion	Lexington

Appendix D

Ambient Well Network Water Quality Data

Appendix D

WELL #	LOCATION	LATITUDE	LONGITUDE	COUNTY	Sub-Basin	AQUIFER	DATE	PH	SP_CD	TDS	Hard
01	Bamberg	33°17'18.68"N	81°02'26.79"W	Bamberg	Sav-Salk	Black Creek	May 88	6.5	53	50	11
01	Bamberg	33°17'18.68"N	81°02'26.79"W	Bamberg	Sav-Salk	Black Creek	May 93	6.3	54	42	10
01	Bamberg	33°17'18.68"N	81°02'26.79"W	Bamberg	Sav-Salk	Black Creek	May-98	6.3	na	60	15
01	Bamberg	33°17'18.68"N	81°02'26.79"W	Bamberg	Sav-Salk	Black Creek	Aug-00	6.7	65.4	60	15
02	Williston	33°23'50.01"N	81°24'07.22"W	Barnwell	Saluda-Edisto	Black Creek	May 88	6.4	74	46	35
02	Williston	33°23'50.01"N	81°24'07.22"W	Barnwell	Saluda-Edisto	Black Creek	May 93	6.3	75	54	32
02	Williston	33°23'50.01"N	81°24'07.22"W	Barnwell	Saluda-Edisto	Black Creek	May-98	6.7	na	170	32
02	Williston	33°23'50.01"N	81°24'07.22"W	Barnwell	Saluda-Edisto	Black Creek	Jun-01	6.8	114	84	
03	Elloree	33°31'35.71"N	80°34'17.45"W	Orangeburg	Catawba	Black Creek	May 88	8.1	121	200	26
03	Elloree	33°31'35.71"N	80°34'17.45"W	Orangeburg	Catawba	Black Creek	May 93	8.2	126	82	27
03	Elloree	33°31'35.71"N	80°34'17.45"W	Orangeburg	Catawba	Black Creek	May-98	8.4	132	90	26
04	Bowman	33°20'58.31"N	80°40'44.81"W	Orangeburg	Saluda-Edisto	Black Creek	May 88	9.1	140	72	4
04	Bowman	33°20'58.31"N	80°40'44.81"W	Orangeburg	Saluda-Edisto	Black Creek	May 93	9.2	142	90	5
04	Bowman	33°20'58.31"N	80°40'44.81"W	Orangeburg	Saluda-Edisto	Black Creek	May-98	9	148	88	10
04	Bowman	33°20'58.31"N	80°40'44.81"W	Orangeburg	Saluda-Edisto	Black Creek	Jun-01	9.3	141	68	
05	Lake View #1	34°20'04.03"N	79°10'01.35"W	Dillon	Pee Dee	Black Creek	May 89	6.9	151	96	2
06	Latta #1	34°20'08.25"N	79°25'59.04"W	Dillon	Pee Dee	Black Creek	May 89	6.9	154	100	17
06	Latta #1	34°20'08.25"N	79°25'59.04"W	Dillon	Pee Dee	Black Creek	July 94	6.9	156	99	18
07	Johnsonville	33°48'56.88"N	79°27'48.00"W	Florence	Pee Dee	Black Creek	May 89	9.2	380	220	4
07	Johnsonville	33°48'56.88"N	79°27'48.00"W	Florence	Pee Dee	Black Creek	July 94	9.2	396	240	6
08	McLeod Med Center	34°11'51.77"N	79°45'30.55"W	Florence	Pee Dee	Black Creek	May 89	6.0	161	150	44
08	McLeod Med Center	34°11'51.77"N	79°45'30.55"W	Florence	Pee Dee	Black Creek	July 94	5.9	127	110	37
09	Olanta	33°56'00.14"N	79°56'23.00"W	Florence	Pee Dee	Black Creek	May 89	7.6	130	94	40
09	Olanta	33°56'00.14"N	79°56'23.00"W	Florence	Pee Dee	Black Creek	July 94	7.6	145	100	41
10	Pamplico #1	33°59'44.83"N	79°34'04.00"W	Florence	Pee Dee	Black Creek	May 89	8.9	178	130	6
10	Pamplico #1	33°59'44.83"N	79°34'04.00"W	Florence	Pee Dee	Black Creek	July 94	8.9	169	120	5
11	Andrews #2	33°26'27.78"N	79°33'42.96"W	Georgetown	Pee Dee	Black Creek	May 89	8.9	570	350	4
11	Andrews #2	33°26'27.78"N	79°33'42.96"W	Georgetown	Pee Dee	Black Creek	July 94	9.1	598	340	6
12	Georgetown #2	33°19'48.55"N	79°18'37.58"W	Georgetown	Pee Dee	Black Creek	May 89	8.7	990	550	7
12	Georgetown #2	33°19'48.55"N	79°18'37.58"W	Georgetown	Pee Dee	Black Creek	July 94	8.7	1030	570	7
13	Conway #6	33°51'04.42"N	79°00'58.19"W	Horry	Pee Dee	Black Creek	May 89	8.6	1180	670	8
13	Conway #6	33°51'04.42"N	79°00'58.19"W	Horry	Pee Dee	Black Creek	July 94	7.6	261	140	26
14	Surfside-Poplar St.	33°36'48.61"N	78°58'41.34"W	Horry	Pee Dee	Black Creek	May 89	8.8	990	580	6
14	Surfside-Poplar St.	33°36'48.61"N	78°58'41.34"W	Horry	Pee Dee	Black Creek	July 94	8.7	965	550	6
15	Myrtlewood	33°43'35.56"N	78°52'45.01"W	Horry	Pee Dee	Black Creek	May 89	7.6	261	160	66
15	Myrtlewood	33°43'35.56"N	78°52'45.01"W	Horry	Pee Dee	Black Creek	July 94	8.1	775	430	77
16	Longs #2	33°57'25.44"N	78°44'15.13"W	Horry	Pee Dee	Black Creek	May 89	8.5	1550	870	17
16	Longs #2	33°57'25.44"N	78°44'15.13"W	Horry	Pee Dee	Black Creek	July 94	8.3	2360	1300	30
17	Mullins-Gapway	34°11'37.39"N	79°15'22.72"W	Marion	Pee Dee	Black Creek	May 89	7.7	248	170	6
17	Mullins-Gapway	34°11'37.39"N	79°15'22.72"W	Marion	Pee Dee	Black Creek	July 94	7.7	248	180	6

Appendix D

WELL #	LOCATION	LATITUDE	LONGITUDE	COUNTY	Sub-Basin	AQUIFER	DATE	PH	SP_CD	TDS	Hard
18	Oakland Plantation	33°59'13.50"N	80°29'43.58"W	Sumter	Catawba	Black Creek	May 89	4.1	29	28	3
18	Oakland Plantation	33°59'13.50"N	80°29'43.58"W	Sumter	Catawba	Black Creek	July 94	4.9	24	10	2
19	Watson Correctional	34°04'51.15"N	80°35'15.73"W	Sumter	Catawba	Black Creek	May 89	5.0	42	58	5
19	Watson Correctional	34°04'51.15"N	80°35'15.73"W	Sumter	Catawba	Black Creek	July 94	4.3	38	14	2
20	Kingstree RT 377	33°39'31.00"N	79°49'09.26"W	Williamsburg	Pee Dee	Black Creek	May 89	8.3	339	230	6
20	Kingstree RT 377	33°39'31.00"N	79°49'09.26"W	Williamsburg	Pee Dee	Black Creek	July 94	8.9	394	230	6
21	St. Stephens	33°24'19.47"N	79°55'32.10"W	Berkeley	Catawba	BlkCrk/Midd	May 89	8.3	450	320	4
21	St. Stephens	33°24'19.47"N	79°55'32.10"W	Berkeley	Catawba	BlkCrk/Midd	July 94	9.0	578	320	4
22	Summerville #5	32°59'01.69"N	80°13'06.20"W	Dorchester	Catawba	BlkCrk/Midd	May 89	8.5	1050	570	2
22	Summerville #5	32°59'01.69"N	80°13'06.20"W	Dorchester	Catawba	BlkCrk/Midd	July 94	8.9	983	530	3
23	Cainhoy High School	33°01'15.76"N	79°51'08.75"W	Berkeley	Catawba	Black Mingo	May 89	7.7	483	310	100
23	Cainhoy High School	33°01'15.76"N	79°51'08.75"W	Berkeley	Catawba	Black Mingo	July 94	7.9	513	280	110
24	Santee Cooper	33°12'07.67"N	79°58'54.04"W	Berkeley	Catawba	Black Mingo	May 89	7.5	480	340	120
24	Santee Cooper	33°12'07.67"N	79°58'54.04"W	Berkeley	Catawba	Black Mingo	July 94	8.1	597	320	130
25	St. Matthews	33°39'53.72"N	80°46'27.67"W	Calhoun	Catawba	Black Mingo	May 88	6.7	132	100	61
25	St. Matthews	33°39'53.72"N	80°46'27.67"W	Calhoun	Catawba	Black Mingo	May 93	6.8	149	100	64
25	St. Matthews	33°39'53.72"N	80°46'27.67"W	Calhoun	Catawba	Black Mingo	May-98	7	137	86	61
26	Wagener	33°38'55.41"N	81°21'20.60"W	Aiken	Saluda-Edisto	Middendorf	May 93	5.6	15	12	3.0
26	Wagener	33°38'55.41"N	81°21'20.60"W	Aiken	Saluda-Edisto	Middendorf	May 88	5.3	14	20	2.0
27	North Augusta	33°30'50.25"N	81°56'29.20"W	Aiken	Sav-Salk	Middendorf	May 88	5.5	27	18	5.0
28	Montmorenci-Coucht	33°34'49.15"N	81°40'30.70"W	Aiken	Saluda-Edisto	Middendorf	May 93	5.4	35	24	4.0
28	Montmorenci-Coucht	33°34'49.15"N	81°40'30.70"W	Aiken	Saluda-Edisto	Middendorf	May 88	5.4	21	16	3.0
28	Montmorenci-Coucht	33°34'49.15"N	81°40'30.70"W	Aiken	Saluda-Edisto	Middendorf	May-98	5.4	na	24	3
28	Montmorenci-Coucht	33°34'49.15"N	81°40'30.70"W	Aiken	Saluda-Edisto	Middendorf	Jun-01	5.5	19.2	12	
29	Parris Island	32°19'47.43"N	80°42'28.36"W	Beaufort	Sav-Salk	Middendorf	May 93	8.6	1850	1100	6.0
29	Parris Island	32°19'47.43"N	80°42'28.36"W	Beaufort	Sav-Salk	Middendorf	June 88	8.4	2280	1200	6.0
29	Parris Island	32°19'47.43"N	80°42'28.36"W	Beaufort	Sav-Salk	Middendorf	May-98	8.9	1740	110	3
29	Parris Island	32°19'47.43"N	80°42'28.36"W	Beaufort	Sav-Salk	Middendorf	Aug-00	9	1771	1100	2
30	Patrick #1	34°03'47.83"N	80°01'52.37"W	Chesterfield	Pee Dee	Middendorf	May 89	5.2	12	12	1.0
30	Patrick #1	34°03'47.83"N	80°01'52.37"W	Chesterfield	Pee Dee	Middendorf	July 94	5.1	13	4	1.0
31	Walterboro (50)	32°54'08.27"N	80°39'32.36"W	Colleton	Sav-Salk	Middendorf	May 88	9.2	340	240	2.0
31	Walterboro (50)	32°54'08.27"N	80°39'32.36"W	Colleton	Sav-Salk	Middendorf	May 93	8.9	388	240	10
31	Walterboro (50)	32°54'08.27"N	80°39'32.36"W	Colleton	Sav-Salk	Middendorf	Aug-00	8.8	396	240	10
32	Main Street	34°18'26.83"N	79°52'33.89"W	Darlington	Pee Dee	Middendorf	May 89	4.8	32	26	3.0
32	Main Street	34°18'26.83"N	79°52'33.89"W	Darlington	Pee Dee	Middendorf	July 94	4.8	31	22	3.0
33	Hartsville #4	34°21'14.68"N	80°06'59.16"W	Darlington	Pee Dee	Middendorf	May 89	5.9	17	8	3.0
33	Hartsville #4	34°21'14.68"N	80°06'59.16"W	Darlington	Pee Dee	Middendorf	July 94	7.1	55	29	25
34	Timmonsville #2	34°08'14.02"N	79°56'18.46"W	Florence	Pee Dee	Middendorf	May 89	5.9	51	36	7.0
34	Timmonsville #2	34°08'14.02"N	79°56'18.46"W	Florence	Pee Dee	Middendorf	July 94	6.1	51	42	8.0
35	S. Ballard Street	34°11'49.02"N	79°45'06.42"W	Florence	Pee Dee	Middendorf	May 89	6.8	298	150	12

Appendix D

WELL #	LOCATION	LATITUDE	LONGITUDE	COUNTY	Sub-Basin	AQUIFER	DATE	PH	SP_CD	TDS	Hard
35	S. Ballard Street	34°01'49.02"N	79°45'06.42"W	Florence	Pee Dee	Middendorf	July 94	7.2	170	100	31
36	Elgin	34°10'31.35"N	80°04'17.72"W	Kershaw	Catawba	Middendorf	May 89	4.2	16	34	2.0
36	Elgin	34°10'31.35"N	80°04'17.72"W	Kershaw	Catawba	Middendorf	July 94	5.2	18	4	2.0
37	Bethune	34°23'49.66"N	80°21'15.95"W	Kershaw	Pee Dee	Middendorf	May 89	3.9	81	76	21
37	Bethune	34°23'49.66"N	80°21'15.95"W	Kershaw	Pee Dee	Middendorf	July 94	5.0	36	12	7.0
38	Camden	34°12'40.54"N	80°32'46.10"W	Kershaw	Catawba	Middendorf	May 89	4.0	51	54	7.0
38	Camden	34°12'40.54"N	80°32'46.10"W	Kershaw	Catawba	Middendorf	July 94	5.1	29	16	2.0
39	Bishopville #4	34°01'46.20"N	80°12'31.81"W	Lee	Pee Dee	Middendorf	May 89	4.8	24	44	6.0
39	Bishopville #4	34°01'46.20"N	80°12'31.81"W	Lee	Pee Dee	Middendorf	July 94	5.1	16	9	2.0
40	Swansea	33°43'59.85"N	81°05'37.74"W	Lexington	Saluda-Edisto	Middendorf	Dec 91	7.1	75	42	3.0
40	Swansea	33°43'59.85"N	81°05'37.74"W	Lexington	Saluda-Edisto	Middendorf	May 87	5.3	10	10	1.0
40	Swansea	33°43'59.85"N	81°05'37.74"W	Lexington	Saluda-Edisto	Middendorf	May 97	5.2	13	U1	2.0
40	Swansea	33°43'59.85"N	81°05'37.74"W	Lexington	Saluda-Edisto	Middendorf	Jun-01	5.6	14.5	26	
41	Summit	33°05'43.24"N	81°02'50.08"W	Lexington	Saluda-Edisto	Middendorf	Dec 91	4.9	30	38	5.0
41	Summit	33°05'43.24"N	81°02'50.08"W	Lexington	Saluda-Edisto	Middendorf	May 87	4.9	28	20	4.0
41	Summit	33°05'43.24"N	81°02'50.08"W	Lexington	Saluda-Edisto	Middendorf	May 97	4.8	na	9	7.0
41	Summit	33°05'43.24"N	81°02'50.08"W	Lexington	Saluda-Edisto	Middendorf	Jun-01	4.8	43.6	36	
42	Hidden Valley	33°50'05.18"N	81°07'52.62"W	Lexington	Saluda-Edisto	Middendorf	May 87	5.6	22	28	2.0
42	Hidden Valley	33°50'05.18"N	81°07'52.62"W	Lexington	Saluda-Edisto	Middendorf	Dec 91	5.3	14	30	2.0
42	Hidden Valley	33°50'05.18"N	81°07'52.62"W	Lexington	Saluda-Edisto	Middendorf	May 97	5.3	14	U1	2.0
42	Hidden Valley	33°50'05.18"N	81°07'52.62"W	Lexington	Saluda-Edisto	Middendorf	Jun-01	5.4	14.2	32	
43	Clio	34°34'44.25"N	79°32'52.08"W	Marlboro	Pee Dee	Middendorf	May 89	5.5	48	30	6.0
43	Clio	34°34'44.25"N	79°32'52.08"W	Marlboro	Pee Dee	Middendorf	July 94	5.9	52	24	6.0
44	Orng Fish Hatchery(1)	33°28'06.84"N	80°05'18.26"W	Orangeburg	Saluda-Edisto	Middendorf	May 88	6.1	58	50	8.0
44	Orng Fish Hatchery(1)	33°28'06.84"N	80°05'18.26"W	Orangeburg	Saluda-Edisto	Middendorf	May 93	6.0	55	44	8.0
44	Orng Fish Hatchery(1)	33°28'06.84"N	80°05'18.26"W	Orangeburg	Saluda-Edisto	Middendorf	May-98	6.5	59.3	44	10
44	Orng Fish Hatchery(1)	33°28'06.84"N	80°05'18.26"W	Orangeburg	Saluda-Edisto	Middendorf	Jun-01	6.3	61.4	28	
45	Fort Jackson	33°59'40.78"N	80°04'17.12"W	Richland	Saluda-Edisto	Middendorf	May 87	6.0	15	0	2.0
45	Fort Jackson	33°59'40.78"N	80°04'17.12"W	Richland	Saluda-Edisto	Middendorf	Dec 91	5.3	15	36	2.0
45	Fort Jackson	33°59'40.78"N	80°04'17.12"W	Richland	Saluda-Edisto	Middendorf	May 97	5.2	13	4	2.0
45	Fort Jackson	33°59'40.78"N	80°04'17.12"W	Richland	Saluda-Edisto	Middendorf	Jun-01	5.4	15.8	34	
46	Spring Valley	34°06'47.37"N	80°05'248.55"W	Richland	Saluda-Edisto	Middendorf	Dec 91	5.6	22	12	2.0
46	Spring Valley	34°06'47.37"N	80°05'248.55"W	Richland	Saluda-Edisto	Middendorf	May 87	5.7	23	U1	2.0
46	Spring Valley	34°06'47.37"N	80°05'248.55"W	Richland	Saluda-Edisto	Middendorf	May 97	5.6	29	14	3.0
47	Hopkins	33°59'15.16"N	80°05'21.50"W	Richland	Saluda-Edisto	Middendorf	May 87	5.1	10	U1	1.0
47	Hopkins	33°59'15.16"N	80°05'21.50"W	Richland	Saluda-Edisto	Middendorf	Dec 91	5.3	13	6	1.0
47	Hopkins	33°59'15.16"N	80°05'21.50"W	Richland	Saluda-Edisto	Middendorf	May 97	5.1	11	25	1.0
47	Hopkins	33°59'15.16"N	80°05'21.50"W	Richland	Saluda-Edisto	Middendorf	Jun-01	5.2	12.6	32	
48	North of Eastover	33°57'07.20"N	80°04'247.07"W	Richland	Catawba	Middendorf	Dec 91	5.1	27	50	3.0
48	North of Eastover	33°57'07.20"N	80°04'247.07"W	Richland	Catawba	Middendorf	May 87	5.5	25	U1	3.0

Appendix D

WELL #	LOCATION	LATITUDE	LONGITUDE	COUNTY	Sub-Basin	AQUIFER	DATE	PH	SP_CD	TDS	Hard
49	Sumter Plant 1- #3	33°56'00.75"N	80°20'46.20"W	Sumter	Pee Dee	Middendorf	May 89	5.6	41	64	5.0
49	Sumter Plant 1- #3	33°56'00.75"N	80°20'46.20"W	Sumter	Pee Dee	Middendorf	July 94	5.7	41	24	6.0
50	Hemingway	33°44'51.76"N	79°27'04.11"W	Williamsburg	Pee Dee	Middendorf	May 89	8.7	690	410	3.0
50	Hemingway	33°44'51.76"N	79°27'04.11"W	Williamsburg	Pee Dee	Middendorf	July 94	8.6	714	400	3.0
51	Allendale	32°58'55.36"N	81°16'35.01"W	Allendale	Sav-Salk	PD/BlkCrk	May 88	7.2	117	64	24
51	Allendale	32°58'55.36"N	81°16'35.01"W	Allendale	Sav-Salk	PD/BlkCrk	Aug-00	7.3	116	80	25
53	Moncks Corner	33°11'32.05"N	80°01'02.98"W	Berkeley	Catawba	Pee Dee	May 89	7.8	1300	840	21
53	Moncks Corner	33°11'32.05"N	80°01'02.98"W	Berkeley	Catawba	Pee Dee	July 94	7.8	475	250	160
54	Abbeville	34°08'38.12"N	82°24'12.91"W	Abbeville	Sav-Salk	Piedmont Bd	Apr 90	6.6	70	76	22
54	Abbeville	34°08'38.12"N	82°24'12.91"W	Abbeville	Sav-Salk	Piedmont Bd	Apr 95	6.4	72	56	19
54	Abbeville (deep)	34°08'38.12"N	82°24'12.91"W	Abbeville	Sav-Salk	Piedmont Bd	Aug-00	6.4	71.4	64	20
55	Starr	34°23'44.31"N	82°45'11.80"W	Anderson	Sav-Salk	Saprolite	Apr 90	6.5	46	48	19
55	Starr	34°23'44.31"N	82°45'11.80"W	Anderson	Sav-Salk	Saprolite	Apr 95	6.5	50	42	17
55	Starr	34°23'44.31"N	82°45'11.80"W	Anderson	Sav-Salk	Saprolite	Aug-00	6.3	131	88	36
56	Blacksburg	35°09'11.60"N	81°26'22.62"W	Cherokee	Broad	Saprolite	Apr 90	6.4	62	34	28
56	Blacksburg	35°09'11.60"N	81°26'22.62"W	Cherokee	Broad	Saprolite	Apr 95	6.4	68	44	27
57	Jenkinsville #11	34°23'39.85"N	81°17'31.56"W	Fairfield	Broad	Piedmont Bd	May 87	6.5	140	96	43
57	Jenkinsville #11	34°23'39.85"N	81°17'31.56"W	Fairfield	Broad	Piedmont Bd	Dec 91	6.4	82	86	17
57	Jenkinsville #11	34°23'39.85"N	81°17'31.56"W	Fairfield	Broad	Piedmont Bd	May 97	6.3	86	90	17
58	Ridgeway	34°18'19.02"N	80°57'39.80"W	Fairfield	Catawba	Piedmont Bd	May 87	6.3	245	U1	100
58	Ridgeway	34°18'19.02"N	80°57'39.80"W	Fairfield	Catawba	Piedmont Bd	Dec 91	7.6	145	110	60
58	Ridgeway	34°18'19.02"N	80°57'39.80"W	Fairfield	Catawba	Piedmont Bd	May 97	7.6	170	130	23
59	Lake Wateree St Pk	34°26'08.65"N	80°51'48.57"W	Fairfield	Catawba	Piedmont Bd	Dec 91	7.1	153	110	26
59	Lake Wateree St Pk	34°26'08.65"N	80°51'48.57"W	Fairfield	Catawba	Piedmont Bd	May 87	6.3	120	U1	51
59	Lake Wateree St Pk	34°26'08.65"N	80°51'48.57"W	Fairfield	Catawba	Piedmont Bd	May 97	6.9	137	95	65
60	Jenkinsville #4	34°22'03.53"N	81°17'35.34"W	Fairfield	Broad	Piedmont Bd	Dec 91	6.8	104	92	34
60	Jenkinsville # 4	34°22'03.53"N	81°17'35.34"W	Fairfield	Broad	Piedmont Bd	May 87	7.1	103	72	37
60	Jenkinsville #4	34°22'03.53"N	81°17'35.34"W	Fairfield	Broad	Piedmont Bd	May 97	6.6	91	80	26
61	Mauldin	34°46'46.46"N	82°13'06.56"W	Greenville	Broad	Saprolite	Apr 90	5.2	180	48	9.0
62	Fork Shoals	34°33'50.36"N	82°19'38.80"W	Greenville	Saluda-Edisto	Saprolite	Apr 90	6.7	143	62	20
62	Fork Shoals	34°33'50.36"N	82°19'38.80"W	Greenville	Saluda-Edisto	Saprolite	Apr 95	6.8	75	66	23
63	Gilbert	33°55'03.84"N	81°23'37.32"W	Lexington	Saluda-Edisto	Piedmont Bd	Dec 91	8.0	110	120	28
63	Gilbert	33°55'03.84"N	81°23'37.32"W	Lexington	Saluda-Edisto	Piedmont Bd	May 87	8.0	108	92	27
63	Gilbert	33°55'03.84"N	81°23'37.32"W	Lexington	Saluda-Edisto	Piedmont Bd	May 97	7.9	na	110	28
63	Gilbert	33°55'03.84"N	81°23'37.32"W	Lexington	Saluda-Edisto	Piedmont Bd	Jun-01	6.9	58.1	34	
64	Little Mountain	34°11'42.26"N	81°24'45.50"W	Newberry	Broad	Piedmont Bd	Dec 91	6.9	na	42	7.0
64	Little Mountain	34°11'42.26"N	81°24'45.50"W	Newberry	Broad	Piedmont Bd	May 87	6.8	130	84	44
64	Little Mountain	34°11'42.26"N	81°24'45.50"W	Newberry	Broad	Piedmont Bd	May 97	6.9	160	130	56
65	East Cntrl Newberry	34°23'34.40"N	81°27'37.80"W	Newberry	Broad	Piedmont Bd	Dec 91	7.2	132	140	44
65	East Cntrl Newberry	34°23'34.40"N	81°27'37.80"W	Newberry	Broad	Piedmont Bd	May 87	6.5	122	U1	47
65	East Cntrl Newberry	34°23'34.40"N	81°27'37.80"W	Newberry	Broad	Piedmont Bd	May 97	7.3	126	76	44

Appendix D

WELL #	LOCATION	LATITUDE	LONGITUDE	COUNTY	Sub-Basin	AQUIFER	DATE	PH	SP_CD	TDS	Hard
66	Newberry	34°01'46.87"N	81°34'16.69"W	Newberry	Broad	Piedmont Bd	May 87	6.6	109	74	31
67	Whitmire	34°30'51.55"N	81°38'41.74"W	Newberry	Broad	Piedmont Bd	Dec 91	6.8	211	180	75
67	Whitmire	34°30'51.55"N	81°38'41.74"W	Newberry	Broad	Piedmont Bd	May 87	6.5	170	U1	68
67	Whitmire	34°30'51.55"N	81°38'41.74"W	Newberry	Broad	Piedmont Bd	May 97	7.0	272	170	100
68	Chappells	34°11'23.80"N	81°54'23.91"W	Newberry	Saluda-Edisto	Piedmont Bd	Dec 91	7.2	195	180	72
68	Chappells	34°11'23.80"N	81°54'23.91"W	Newberry	Saluda-Edisto	Piedmont Bd	May 87	7.3	176	130	65
68	Chappells	34°11'23.80"N	81°54'23.91"W	Newberry	Saluda-Edisto	Piedmont Bd	May 97	7.0	186	130	75
68	Chappells	34°11'23.80"N	81°54'23.91"W	Newberry	Saluda-Edisto	Piedmont Bd	Jun-01	6.9	197	150	
69	Newberry	34°19'45.65"N	81°32'12.40"W	Newberry	Broad	Saprolite	Apr 90	5.9	140	110	28
69	Newberry	34°19'45.65"N	81°32'12.40"W	Newberry	Broad	Saprolite	Apr 95	6.2	183	130	41
70	Mountain Rest	34°48'45.14"N	83°08'27.91"W	Oconee	Sav-Salk	Saprolite	Apr 90	5.2	38	26	6.0
70	Mountain Rest	34°48'45.14"N	83°08'27.91"W	Oconee	Sav-Salk	Saprolite	Apr 95	5.3	32	22	5.0
70	Mountain Rest	34°48'45.14"N	83°08'27.91"W	Oconee	Sav-Salk	Saprolite	Aug-00	5.3	27.2	NA	4
71	Pickens	35°02'28.21"N	82°39'25.75"W	Pickens	Saluda-Edisto	Saprolite	Apr 90	6.4	36	24	15
71	Pickens	35°02'28.21"N	82°39'25.75"W	Pickens	Saluda-Edisto	Saprolite	Apr 95	5.9	22	8	2
71	Pickens	35°02'28.21"N	82°39'25.75"W	Pickens	Saluda-Edisto	Saprolite	Jun-01	5.9	22.5	4	
72	Ballentine	34°07'25.07"N	81°15'36.85"W	Richland	Saluda-Edisto	Piedmont Bd	May 87	6.5	178	110	86
72	Ballentine	34°07'25.07"N	81°15'36.85"W	Richland	Saluda-Edisto	Piedmont Bd	Dec 91	6.0	142	110	45
72	Ballentine	34°07'25.07"N	81°15'36.85"W	Richland	Saluda-Edisto	Piedmont Bd	Jun-01	6.8	458	250	
73	Union	34°44'15.08"N	81°39'41.18"W	Union	Broad	Saprolite	Apr 90	6.8	60	60	23
73	Union	34°44'15.08"N	81°39'41.18"W	Union	Broad	Saprolite	Apr 95	6.3	62	50	17
74	Guthries	34°54'27.91"N	81°11'38.39"W	York	Catawba	Piedmont Bd	Apr 90	7.1	98	90	45
74	Guthries	34°54'27.91"N	81°11'38.39"W	York	Catawba	Piedmont Bd	Apr 95	7.0	94	78	35
75	Abbeville	34°08'27.15"N	82°24'13.35"W	Abbeville	Sav-Salk	Saprolite	Apr 90	7.8	88	70	30
75	Abbeville	34°08'27.15"N	82°24'13.35"W	Abbeville	Sav-Salk	Saprolite	Apr 95	6.4	49	42	16
75	Abbeville (shallow)	34°08'27.15"N	82°24'13.35"W	Abbeville	Sav-Salk	Saprolite	Aug-00	5.9	47.8	36	12
76	Starr	34°23'47.70"N	82°45'22.35"W	Anderson	Sav-Salk	Piedmont Bd	Apr 90	11	220	110	25
76	Starr	34°23'47.70"N	82°45'22.35"W	Anderson	Sav-Salk	Piedmont Bd	Apr 95	6.7	106	83	39
76	Starr (deep)	34°23'47.70"N	82°45'22.35"W	Anderson	Sav-Salk	Piedmont Bd	Aug-00	7.3	133	100	49
77	Blacksburg	35°09'17.26"N	81°26'23.17"W	Cherokee	Broad	Piedmont Bd	Apr 95	7.6	147	95	67
78	Mauldin	34°46'47.08"N	82°13'09.22"W	Greenville	Broad	Piedmont Bd	Apr 90	6.1	260	42	9.0
79	Fork Shoals	34°33'52.27"N	82°19'38.95"W	Greenville	Saluda-Edisto	Piedmont Bd	Apr 90	7.5	79	120	67
79	Fork Shoals	34°33'52.27"N	82°19'38.95"W	Greenville	Saluda-Edisto	Piedmont Bd	Apr 95	7.5	168	120	60
79	Fork Shoals	34°33'52.27"N	82°19'38.95"W	Greenville	Saluda-Edisto	Piedmont Bd	Jun-01	7.6	154	130	
80	Newberry	34°19'44.22"N	81°32'16.25"W	Newberry	Broad	Piedmont Bd	Apr 90	6.8	90	82	34
80	Newberry	34°19'44.22"N	81°32'16.25"W	Newberry	Broad	Piedmont Bd	Apr 95	6.6	97	90	33
81	Mountain Rest	34°48'43.80"N	83°08'28.35"W	Oconee	Sav-Salk	Piedmont Bd	Apr 90	5.1	33	24	5.0
81	Mountain Rest	34°48'43.80"N	83°08'28.35"W	Oconee	Sav-Salk	Piedmont Bd	Apr 95	5.2	34	18	5.0
81	Mountain Rest	34°48'43.80"N	83°08'28.35"W	Oconee	Sav-Salk	Piedmont Bd	Aug-00	5.1	34.2	NA	5
82	Pickens	35°02'11.64"N	82°40'38.00"W	Pickens	Saluda-Edisto	Piedmont Bd	Apr 90	6.3	31	36	8.0

Appendix D

WELL #	LOCATION	LATITUDE	LONGITUDE	COUNTY	Sub-Basin	AQUIFER	DATE	PH	SP_CD	TDS	Hard
82	Pickens	35°02'11.64"N	82°40'38.00"W	Pickens	Saluda-Edisto	Piedmont Bd	Apr 95	6.2	36	32	9.0
82	Pickens	35°02'11.64"N	82°40'38.00"W	Pickens	Saluda-Edisto	Piedmont Bd	Jun-01	6.4	50.1	28	
83	Union	34°44'21.94"N	81°39'51.93"W	Union	Broad	Piedmont Bd	Apr 90	6.2	124	120	36
83	Union	34°44'21.94"N	81°39'51.93"W	Union	Broad	Piedmont Bd	Apr 95	6.2	114	96	26
84	McClellanville	33°05'26.57"N	79°27'19.90"W	Charlestown	Catawba	Surf sands	May 89	7.2	4450	290	210
85	Edisto Beach (13)	32°30'51.50"N	80°18'32.85"W	Colleton	Saluda-Edisto	Surf sands	May 88	6.9	1540	1100	450
86	Bennetts Point	32°33'12.15"N	80°27'23.81"W	Colleton	Sav-Salk	Surf sands	May 88	8.5	1500	200	19
86	Bennetts Point	32°33'12.15"N	80°27'23.81"W	Colleton	Sav-Salk	Surf sands	May 93	8.1	4	2400	97
86	Bennetts Point	32°33'12.15"N	80°27'23.81"W	Colleton	Sav-Salk	Surf sands	May-98	8.6	na	990	29
86	Bennetts Point	32°33'12.15"N	80°27'23.81"W	Colleton	Sav-Salk	Surf sands	Aug-00	8.5	2098	1300	33
87	North Santee	33°14'53.80"N	79°24'06.50"W	Georgetown	Catawba	Surf sands	May 89	7.3	559	360	210
88	Socastee	33°39'58.40"N	78°59'52.17"W	Horry	Pee Dee	Surf sands	May 89	6.2	124	80	20
88	Socastee	33°39'58.40"N	78°59'52.17"W	Horry	Pee Dee	Surf sands	July 94	6.3	129	79	21
89	Fairfax	32°56'34.66"N	81°14'21.70"W	Allendale	Sav-Salk	Tert Lmst	May 88	8.4	170	110	42
89	Fairfax	32°56'34.66"N	81°14'21.70"W	Allendale	Sav-Salk	Tert Lmst	May 93	8.4	200	140	41
89	Fairfax	32°56'34.66"N	81°14'21.70"W	Allendale	Sav-Salk	Tert Lmst	May-98	8.2	197	140	50
90	Frogmore	32°24'25.42"N	80°32'08.57"W	Beaufort	Sav-Salk	Tert Lmst	June 88	7.9	262	200	120
90	Frogmore	32°24'25.42"N	80°32'08.57"W	Beaufort	Sav-Salk	Tert Lmst	Aug-00	8	308	190	110
91	Sheldon	32°35'56.38"N	80°47'41.57"W	Beaufort	Sav-Salk	Tert Lmst	May 93	8.1	274	150	97
91	Sheldon	32°35'56.38"N	80°47'41.57"W	Beaufort	Sav-Salk	Tert Lmst	June 88	8.0	230	170	99
91	Sheldon	32°35'56.38"N	80°47'41.57"W	Beaufort	Sav-Salk	Tert Lmst	May-98	8	275	37	96
91	Sheldon	32°35'56.38"N	80°47'41.57"W	Beaufort	Sav-Salk	Tert Lmst	Aug-00	8.1	288	180	93
92	Hilton Head Island	32°09'43.19"N	80°45'06.36"W	Beaufort	Sav-Salk	Tert Lmst	May 93	7.6	559	330	150
92	Hilton Head Island	32°09'43.19"N	80°45'06.36"W	Beaufort	Sav-Salk	Tert Lmst	June 88	8.0	400	300	100
92	Hilton Head Island	32°09'43.19"N	80°45'06.36"W	Beaufort	Sav-Salk	Tert Lmst	May-98	7.5	628	390	240
92	Hilton Head Island	32°09'43.19"N	80°45'06.36"W	Beaufort	Sav-Salk	Tert Lmst	Aug-00	7.6	751	440	260
93	Bluffton	32°16'44.51"N	80°48'58.48"W	Beaufort	Sav-Salk	Tert Lmst	May 93	7.8	450	250	190
93	Bluffton	32°16'44.51"N	80°48'58.48"W	Beaufort	Sav-Salk	Tert Lmst	June 88	7.7	430	350	230
93	Bluffton	32°16'44.51"N	80°48'58.48"W	Beaufort	Sav-Salk	Tert Lmst	May-98	7.9	586	280	190
93	Bluffton	32°16'44.51"N	80°48'58.48"W	Beaufort	Sav-Salk	Tert Lmst	Aug-00	7.9	579	330	190
94	Walterboro (29)	32°54'27.56"N	80°40'04.12"W	Colleton	Sav-Salk	Tert Lmst	May 93	9.0	356	220	8.0
94	Walterboro (29)	32°54'27.56"N	80°40'04.12"W	Colleton	Sav-Salk	Tert Lmst	May 88	8.7	342	240	11
94	Walterboro (29)	32°54'27.56"N	80°40'04.12"W	Colleton	Sav-Salk	Tert Lmst	May-98	8.7	na	250	12
94	Walterboro (29)	32°54'27.56"N	80°40'04.12"W	Colleton	Sav-Salk	Tert Lmst	Aug-00	8.8	392	250	11
95	Edisto Beach (4)	32°30'50.54"N	80°18'33.65"W	Colleton	Saluda-Edisto	Tert Lmst	May 88	8.7	4020	2300	78
95	Edisto Beach (4)	32°30'50.54"N	80°18'33.65"W	Colleton	Saluda-Edisto	Tert Lmst	May 93	8.5	1970	1200	31
95	Edisto Beach (4)	32°30'50.54"N	80°18'33.65"W	Colleton	Saluda-Edisto	Tert Lmst	May-98	8.2	na	2300	100
95	Edisto Beach (4)	32°30'50.54"N	80°18'33.65"W	Colleton	Saluda-Edisto	Tert Lmst	Jun-01	8.0	0.767	2000	
96	Lieber Correctional	33°05'10.96"N	80°17'38.28"W	Dorchester	Catawba	Tert Lmst	May 89	7.6	270	170	68
96	Lieber Correctional	33°05'10.96"N	80°17'38.28"W	Dorchester	Catawba	Tert Lmst	July 94	8.1	316	160	74

Appendix D

WELL #	LOCATION	LATITUDE	LONGITUDE	COUNTY	Sub-Basin	AQUIFER	DATE	PH	SP_CD	TDS	Hard
97	Hardeeville	32°16'18.90"N	81°05'00.06"W	Jasper	Sav-Salk	Tert Lmst	May 93	7.9	234	160	88
97	Hardeeville	32°16'18.90"N	81°05'00.06"W	Jasper	Sav-Salk	Tert Lmst	May 88	8.1	213	150	80
97	Hardeeville	32°16'18.90"N	81°05'00.06"W	Jasper	Sav-Salk	Tert Lmst	May-98	8.1	210	150	82
97	Hardeeville	32°16'18.90"N	81°05'00.06"W	Jasper	Sav-Salk	Tert Lmst	Aug-00	8.2	235	140	78
98	Ridgeland	32°29'09.54"N	80°58'11.53"W	Jasper	Sav-Salk	Tert Lmst	May 93	7.8	294	190	130
98	Ridgeland	32°29'09.54"N	80°58'11.53"W	Jasper	Sav-Salk	Tert Lmst	June 88	7.8	250	180	140
98	Ridgeland	32°29'09.54"N	80°58'11.53"W	Jasper	Sav-Salk	Tert Lmst	May-98	7.9	288	190	130
98	Ridgeland	32°29'09.54"N	80°58'11.53"W	Jasper	Sav-Salk	Tert Lmst	Aug-00	7.7	2	200	120
99	Grays	32°39'58.78"N	81°01'23.62"W	Jasper	Sav-Salk	Tert Lmst	May 88	7.9	238	180	120
99	Grays	32°39'58.78"N	81°01'23.62"W	Jasper	Sav-Salk	Tert Lmst	May 93	8.0	262	160	120
99	Grays	32°39'58.78"N	81°01'23.62"W	Jasper	Sav-Salk	Tert Lmst	May-98	7.9	249	190	120
99	Grays	32°39'58.78"N	81°01'23.62"W	Jasper	Sav-Salk	Tert Lmst	Aug-00	7.9	269	180	110
100	Cope	33°02'27.98"N	81°00'24.20"W	Orangeburg	Saluda-Edisto	Tert Lmst	May 88	7.1	147	140	74
100	Cope	33°02'27.98"N	81°00'24.20"W	Orangeburg	Saluda-Edisto	Tert Lmst	May 93	7.4	188	140	78
100	Cope	33°02'27.98"N	81°00'24.20"W	Orangeburg	Saluda-Edisto	Tert Lmst	May-98	7.4	na	140	77
101	Orng Fish Hatchery(2)	33°28'03.05"N	80°51'32.03"W	Orangeburg	Saluda-Edisto	Tert Lmst	May 93	7.3	56	120	96
101	Orng Fish Hatchery(2)	33°28'03.05"N	80°51'32.03"W	Orangeburg	Saluda-Edisto	Tert Lmst	May 88	7.4	205	170	110
101	Orng Fish Hatchery(2)	33°28'03.05"N	80°51'32.03"W	Orangeburg	Saluda-Edisto	Tert Lmst	May-98	8.1	242	160	110
101	Orng Fish Hatchery(2)	33°28'03.05"N	80°51'32.03"W	Orangeburg	Saluda-Edisto	Tert Lmst	Jun-01	7.7	241	160	
102	Blackville	33°21'12.87"N	81°01'11.01"W	Barnwell	Saluda-Edisto	Tert Sands	May 93	7.7	223	160	120
102	Blackville	33°21'12.87"N	81°01'11.01"W	Barnwell	Saluda-Edisto	Tert Sands	May 88	7.6	198	140	110
102	Blackville	33°21'12.87"N	81°01'11.01"W	Barnwell	Saluda-Edisto	Tert Sands	May-98	7.7	na	64	110
102	Blackville	33°21'12.87"N	81°01'11.01"W	Barnwell	Saluda-Edisto	Tert Sands	Jun-01	7.7	217	170	
103	Lex-Oak Grove Elem	33°59'07.83"N	81°09'29.06"W	Lexington	Saluda-Edisto	Tert Sands	May 87	4.9	18	12	2.0
103	Lex-Oak Grove Elem	33°59'07.83"N	81°09'29.06"W	Lexington	Saluda-Edisto	Tert Sands	Dec 91	7.7	290	170	2.0
103	Lex-Oak Grove Elem	33°59'07.83"N	81°09'29.06"W	Lexington	Saluda-Edisto	Tert Sands	May 97	7.7	na	120	3.0
103	Lex-Oak Grove Elem	33°59'07.83"N	81°09'29.06"W	Lexington	Saluda-Edisto	Tert Sands	Jun-01	4.8	26.1	32	
104	North	33°38'44.65"N	81°05'41.67"W	Orangeburg	Saluda-Edisto	Tert Sands	May 88	5.1	22	22	3.0
104	North	33°38'44.65"N	81°05'41.67"W	Orangeburg	Saluda-Edisto	Tert Sands	May 93	5.2	25	20	3.0
104	North	33°38'44.65"N	81°05'41.67"W	Orangeburg	Saluda-Edisto	Tert Sands	May-98	5.5	na	20	4
104	North	33°38'44.65"N	81°05'41.67"W	Orangeburg	Saluda-Edisto	Tert Sands	Jun-01	5.3	28.7	38	
105	Pickney Estates	33°51'55.76"N	80°20'33.46"W	Sumter	Pee Dee	Tert Sands	May 89	6.2	62	78	19
105	Pickney Estates	33°51'55.76"N	80°20'33.46"W	Sumter	Pee Dee	Tert Sands	July 94	6.2	69	38	22
106	Hamilton Branch	33°45'15.04"N	82°12'14.30"W	McCormick	Sav-Salk	Piedmont Bd	June 91	7.0	114	86	36
106	Hamilton Branch	33°45'15.04"N	82°12'14.30"W	McCormick	Sav-Salk	Piedmont Bd	July 96	7.2	120	91	35
107	N.W. Edgefield Co.	33°56'05.24"N	82°07'20.62"W	Edgefield	Sav-Salk	Piedmont Bd	June 91	6.2	70	84	9.0
108	Caesar's Head	35°06'26.88"N	82°37'52.54"W	Greenville	Saluda-Edisto	Piedmont Bd	June 91	8.4	681	370	5.0
108	Caesar's Head	35°06'26.88"N	82°37'52.54"W	Greenville	Saluda-Edisto	Piedmont Bd	July 96	6.6	40	22	12
108	Caesar's Head	35°06'26.88"N	82°37'52.54"W	Greenville	Saluda-Edisto	Piedmont Bd	Jun-01	6.2	63.1	28	
109	Spartanburg	34°57'08.68"N	81°05'07.76"W	Spartanburg	Broad	Piedmont Bd	June 91	7.8	217	140	63

Appendix D

WELL #	LOCATION	LATITUDE	LONGITUDE	COUNTY	Sub-Basin	AQUIFER	DATE	PH	SP_CD	TDS	Hard
109	Spartanburg	34°57'08.68"N	81°56'07.76"W	Spartanburg	Broad	Piedmont Bd	July 96	7.8	220	140	66
110	Chester State Park	34°41'02.82"N	81°14'39.98"W	Chester	Broad	Piedmont Bd	June 91	7.5	506	340	250
110	Chester State Park	34°41'02.82"N	81°14'39.98"W	Chester	Broad	Piedmont Bd	July 96	7.3	540	350	220
111	White Bluff Baptist C	34°39'42.33"N	80°33'27.16"W	Lancaster	Pee Dee	Piedmont Bd	June 91	6.6	65	72	9.0
111	White Bluff Baptist C	34°39'42.33"N	80°33'27.16"W	Lancaster	Pee Dee	Piedmont Bd	July 96	6.5	61	86	9
112	Westside Estates	34°45'20.34"N	80°24'22.96"W	Chesterfield	Pee Dee	Piedmont Bd	June 91	7.7	131	110	42
112	Westside Estates	34°45'20.34"N	80°24'22.96"W	Chesterfield	Pee Dee	Piedmont Bd	July 96	7.6	129	120	39
113	Amick Poultry	33°56'54.00"N	81°37'49.02"W	Saluda	Saluda-Edisto	Piedmont Bd	June 91	6.4	117	78	30
113	Amick Poultry	33°56'54.00"N	81°37'49.02"W	Saluda	Saluda-Edisto	Piedmont Bd	July 96	6.3	256	180	87
113	Amick Poultry	33°56'54.00"N	81°37'49.02"W	Saluda	Saluda-Edisto	Piedmont Bd	Jun-01	6.5	211	150	
114	WSBH Radio	32°40'55.56"N	81°07'45.40"W	Hampton	Sav-Salk	Tert Lmst	June 91	7.0	237	170	110
114	WSBH Radio	32°40'55.56"N	81°07'45.40"W	Hampton	Sav-Salk	Tert Lmst	July 96	7.7	254	160	100
114	WSBH Radio	32°40'55.56"N	81°07'45.40"W	Hampton	Sav-Salk	Tert Lmst	Aug-00	7.9	252	170	110
115	McCormick	33°55'01.17"N	82°17'20.11"W	McCormick	Sav-Salk	Piedmont Bd	Aug-00	8.3	536	380	230
116	Pelion	33°41'41.30"N	81°13'46.20"W	Lexington	Saluda-Edisto	Middendorf	Jun-01	4.6	28.0	26	

Appendix D

WELL #	LOCATION	TOC	CL_ppm	CL_epm	CL_% -	SO4_ppm	SO4_epm	SO4_% -	ALK_ppm	ALK_epm	ALK_% -	CA_ppm
01	Bamberg	U1	2.0	0.06	13	U10	0.00	U1	23	0.38	87	3.4
01	Bamberg	3.1	1.3	0.04	U1	10	0.21	47	12	0.20	45	3.2
01	Bamberg	U2	1.4	0.039	9.87	7	0.15	36.44	13	0.21	53.69	4.8
01	Bamberg	U2	1.8	0.051	9.78	9	0.19	36.11	17	0.28	54.11	4.9
02	Williston	U1	2.0	0.06	11.7	U10	0.00	U1	26	0.43	88.3	13
02	Williston	4.6	1.9	0.05	7.2	10	0.21	30.4	26	0.43	62.3	12
02	Williston	U2	2.3	0.065	8.97	7	0.15	20.17	31	0.51	70.86	12.0
02	Williston	U2	6.2	0.17	16.16	15	0.31	28.87	36	0.60	54.97	9.7
03	Elloree	U1	2.0	0.06	6.2	U10	0.00	U1	52	0.85	93.8	8.9
03	Elloree	4.4	1.6	0.05	4.1	10	0.21	19.2	51	0.84	76.7	9.2
03	Elloree	na	2.3	0.065	6.43	8	0.17	16.53	47	0.78	77.04	8.9
04	Bowman	U1	2.0	0.06	5.2	U10	0.00	U1	63	1.03	94.8	1.6
04	Bowman	3.5	1.5	0.04	3.1	11	0.23	18.1	61	1.00	78.7	1.7
04	Bowman	22	2.5	0.071	7.41	9	0.19	19.69	42	0.69	72.90	1.6
04	Bowman	U2	1.6	0.05	3.39	11	0.23	17.20	64	1.06	79.41	1.6
05	Lake View #1	U1	2.5	0.07	5.6	U10	0.00	U1	73	1.20	94.4	0.38
06	Latta #1	1.5	2.7	0.08	6.1	U10	0.00	U1	72	1.18	93.9	2.6
06	Latta #1	3.3	3.5	0.10	7.5	U5	0.00	U1	75	1.23	92.5	2.4
07	Johnsonville	3.5	3.1	0.09	2.7	11	0.23	7	179	2.94	90.3	1.3
07	Johnsonville	4.8	3.9	0.11	3.4	U5	0.00	U1	193	3.16	96.6	2
08	McLeod Med Center	U1	30.5	0.86	60.5	12	0.25	17.6	19	0.31	21.9	14
08	McLeod Med Center	2.4	23.4	0.66	62.3	7	0.15	14.2	15.	0.25	23.6	12
09	Olanta	U1	2.0	0.06	5.7	U10	0.00	U1	57	0.93	94.3	11
09	Olanta	2.2	1.7	0.05	4.2	8	0.17	14.3	59	0.97	81.5	11
10	Pamplico #1	5.5	3.0	0.08	5.0	17	0.35	20.8	77	1.26	74.2	1.9
10	Pamplico #1	2.5	2.2	0.06	4.2	8.0	0.17	11.9	73	1.20	83.9	1.4
11	Andrews #2	3.2	7.7	0.22	4.2	U10	0.00	U1	300	4.92	95.8	1.2
11	Andrews #2	6.7	7.2	0.20	3.8	U5	0.00	U1	311	5.10	96.2	2
12	Georgetown #2	1.0	66.7	1.88	27.3	11	0.23	3.3	292	4.79	69.4	2.2
12	Georgetown #2	8.4	77.2	2.18	23.4	7	0.15	1.6	427	7	75	1.9
13	Conway #6	1.5	102	2.88	27.5	U10	0.00	U1	462	7.58	72.5	2.1
13	Conway #6	4.6	19	0.55	45.4	U5	0.00	U1	40	0.66	54.5	8.6
14	Surfside-Poplar St.	2.5	25.1	0.71	8.2	U10	0.00	U1	484	7.94	91.8	1.6
14	Surfside-Poplar St.	12.1	26.4	0.75	8.4	U5	0.00	U1	498	8.16	91.6	1.5
15	Myrtlewood	8.2	12.9	0.36	17.1	58	1.21	56.7	34	0.56	26.2	24
15	Myrtlewood	7.1	85.8	2.42	34.2	27	0.56	7.9	250	4.10	57.9	26
16	Longs #2	1.7	210	5.92	44.7	18	0.37	2.8	423	6.94	52.4	3.5
16	Longs #2	11.3	673	19.0	69.5	26	0.54	2	477	7.81	28.6	6.2
17	Mullins-Gapway	2.0	12.1	0.34	16.7	U10	0.00	U1	104	1.71	83.3	1.4
17	Mullins-Gapway	3.1	13.7	0.39	18.7	U5	0.00	U1	104	1.70	81.3	1.4

Appendix D

WELL #	LOCATION	TOC	CL_ppm	CL_epm	CL_% -	SO4_ppm	SO4_epm	SO4_% -	ALK_ppm	ALK_epm	ALK_% -	CA_ppm
18	Oakland Plantation	U1	2.5	0.07	51.8	U10	0.00	U1	4	0.07	48.2	0.55
18	Oakland Plantation	2.8	2.6	0.07	70.0	U5	0.00	U1	2.0	0.03	30	0.42
19	Watson Correctional	U1	4.5	0.13	79.5	U10	0.00	U1	2	0.03	20.5	1.1
19	Watson Correctional	1.4	2.7	0.08	100	U5	0.00	U1	0	0.00	U1	0.33
20	Kingstree RT 377	U1	3.8	0.11	3.2	11	0.23	6.9	183	3	89.9	1.9
20	Kingstree RT 377	4.8	18.7	0.53	15	14	0.29	8.2	165	2.70	76.7	2
21	St. Stephens	U1	13.2	0.37	7.8	U10	0.00	U1	269	4.41	92.2	1.5
21	St. Stephens	7.9	11	0.31	6.2	U5	0.00	U1	288	4.72	93.8	1.4
22	Summerville #5	1.0	20	0.56	6.4	U10	0.00	U1	500	8.20	93.6	0.73
22	Summerville #5	8.3	19	0.52	5.9	U5	0.00	U1	500	8.20	94	0.74
23	Cainhoy High School	1.0	17.8	0.50	10.8	10	0.21	4.5	240	3.94	84.7	16
23	Cainhoy High School	6.3	19.1	0.54	11.6	7	0.15	3.2	242	3.96	85.2	16
24	Santee Cooper	1.0	24.6	0.69	12.9	12	0.25	4.6	271	4.44	82.5	20
24	Santee Cooper	4.3	26.3	0.74	14.1	U5	0.00	U1	275	4.51	85.9	21
25	St. Matthews	U1	8.5	0.24	22.6	U10	0.00	U1	50	0.82	77.4	23
25	St. Matthews	4.8	9.0	0.25	23.4	U10	0.00	U1	50	0.82	76.6	24
25	St. Matthews	U2	7	0.197	19.93	U5	0.00	U1	48	0.79	80.07	23.0
26	Wagener	2	1.4	0.04	36.4	U10	0.00	U1	4	0.07	63.6	0.84
26	Wagener	U1	1.5	0.04	56.3	U10	0.00	U1	2.0	0.03	43.7	0.36
27	North Augusta	U1	2.5	0.07	58.9	U10	0.00	U1	3	0.05	41.1	0.98
28	Montmorenci-Coucht	1.7	1.8	0.05	50.0	U10	0.00	U1	3	0.05	50	0.89
28	Montmorenci-Coucht	U1	2.5	0.07	58.9	U10	0.00	U1	3	0.05	41.1	0.69
28	Montmorenci-Coucht	U2	1.7	0.048	100.00	U5	0.00	U1	U1	0.00	0.00	0.6
28	Montmorenci-Coucht	U2	2.1	0.06	76.52	U5	0.00	0.00	1.1	0.02	23.48	0.64
29	Parris Island	86	42.1	1.19	11	13	0.27	2.5	572	9.38	86.5	1.5
29	Parris Island	U1	39.5	1.11	6.4	U10	0.00	U1	na	na	na	1.5
29	Parris Island	56	34.8	0.982	5.89	7	0.15	U1	940	15.54	93.23	0.7
29	Parris Island	3.8	35.3	0.996	5.91	8	0.17	U1	949	15.69	93.10	0.6
30	Patrick #1	U1	1.0	0.03	46.2	U10	0.00	U1	2	0.03	53.8	0.21
30	Patrick #1	1.5	1.23	0.04	57.1	U5	0.00	U1	2	0.03	42.9	0.24
31	Walterboro (50)	U1	2.0	0.06	2	U10	0.00	U1	169	2.77	98	0.56
31	Walterboro (50)	9.2	4.7	0.13	3.9	U10	0.00	U1	197	3.23	96.1	2.4
31	Walterboro (50)	2.3	4	0.113	3.24	8	0.17	4.78	194	3.21	91.98	2.4
32	Main Street	U1	1.0	0.03	46.2	U10	0.00	U1	2	0.03	53.8	0.68
32	Main Street	1.5	U1	0.00	U1	6.0	0.13	86.7	1	0.02	13.3	0.65
33	Hartsville #4	U1	1.5	0.04	34.0	U10	0.00	U1	5	0.08	66	0.92
33	Hartsville #4	1.5	1.43	0.04	8.9	U5	0.00	U1	25	0.41	91.1	9.6
34	Timmonsville #2	U1	1.5	0.04	17.7	U10	0.00	U1	12	0.20	82.3	1.4
34	Timmonsville #2	2.0	1.7	0.05	11.7	8	0.17	39.5	13	0.21	48.8	1.5
35	S. Ballard Street	U1	42	1.18	46.8	15	0.31	12.3	63	1.03	40.8	2.7

Appendix D

WELL #	LOCATION	TOC	CL_ppm	CL_epm	CL_% -	SO4_ppm	SO4_epm	SO4_% -	ALK_ppm	ALK_epm	ALK_% -	CA_ppm
35	S. Ballard Street	1.7	12.5	0.35	24.6	16	0.33	23.2	45	0.74	52.1	9
36	Elgin	U1	1.5	0.04	56.3	U10	0.00	U1	2	0.03	43.7	0.36
36	Elgin	2.1	1.4	0.04	57.1	U5	0.00	U1	2	0.03	42.9	0.36
37	Bethune	U1	4.5	0.13	79.5	U10	0.00	U1	2	0.03	20.5	3.8
37	Bethune	1.2	2.8	0.08	80.0	U5	0.00	U1	1	0.02	20	1.4
38	Camden	U1	7.5	0.21	92.8	U10	0.00	U1	1	0.02	7.2	1.4
38	Camden	2.0	4.8	0.14	66.6	U5	0.00	U1	4	0.07	33.3	0.53
39	Bishopville #4	U1	2.0	0.06	36.4	U10	0.00	U1	6	0.10	63.6	1.9
39	Bishopville #4	1.4	2.0	0.06	66.6	U5	0.00	U1	2	0.03	33.3	0.30
40	Swansea	2.3	1.9	0.05	6	U10	0.00	U1	39	0.78	94	0.97
40	Swansea	U1	1.5	0.04	56.3	U10	0.00	U1	2	0.03	43.7	0.25
40	Swansea	U2	1.3	0.04	99	U5	0.00	U1	U1	0.00	U1	0.28
40	Swansea	U2	1.9	0.05	61.85	U5	0.00	0.00	2.0	0.03	38.15	0.30
41	Summit	2.0	3.0	0.09	81.80	U10	0.00	U1	1	0.02	18.2	0.66
41	Summit	U1	2.5	0.07	81.1	U10	0.00	U1	1	0.02	18.9	0.53
41	Summit	U2	3.1	0.09	99	U5	0.00	U1	U1	0.00	U1	0.88
41	Summit	U2	3.7	0.10	100.00	U5	0.00	0.00	U1	0.00	0.00	1.2
42	Hidden Valley	1.4	1.5	0.04	12.6	11	0.23	68	4	0.07	19.5	0.43
42	Hidden Valley	na	1.6	0.05	14.3	11	0.23	73	2	0.04	12.7	0.34
42	Hidden Valley	U2	1.4	0.04	99.0	U5	0.00	U1	U1	0.00	U1	0.38
42	Hidden Valley	U2	1.7	0.05	100.00	U5	0.00	0.00	U1	0.00	0.00	0.36
43	Clio	1.4	4.0	0.11	57.9	U10	0.00	U1	5	0.08	42.1	1.8
43	Clio	1.8	3.5	0.10	25.0	7.0	0.15	37.5	9	0.15	37.5	1.9
44	Orng Fish Hatchery(1)	U1	1.5	0.04	24.4	U10	0.00	U1	8	0.13	75.6	2.2
44	Orng Fish Hatchery(1)	2.5	1.4	0.04	8.88	11	0.23	51.1	11	0.18	40	2.2
44	Orng Fish Hatchery(1)	U2	1.6	0.045	10.89	9	0.19	45.24	11	0.18	43.87	2.9
44	Orng Fish Hatchery(1)	U2	1.6	0.05	9.90	11	0.23	50.24	11	0.18	39.86	2.6
45	Fort Jackson	1.7	2.5	0.07	21.5	10	0.21	63.5	3	0.05	15	0.42
45	Fort Jackson	U2	1.6	0.05	12.0	13	0.27	72	3	0.06	16	0.37
45	Fort Jackson	U2	1.2	0.03	67.4	U5	0.00	U1	1	0.02	32.6	0.38
45	Fort Jackson	U2	1.7	0.05	74.37	U5	0.00	0.00	1.0	0.02	25.63	0.40
46	Spring Valley	1.5	1.9	0.05	57.45	U10	0.00	U1	2	0.04	42.6	0.32
46	Spring Valley	U1	1.5	0.04	46.2	U10	0.00	U1	3	0.05	53.8	0.37
46	Spring Valley	U2	1.9	0.05	76.6	U5	0.00	U1	1	0.02	23.4	0.48
47	Hopkins	U1	1.0	0.03	46.2	U10	0.00	U1	2	0.03	53.8	0.26
47	Hopkins	0.7	1.3	0.04	66.7	U10	0.00	U1	1	0.02	33.3	0.25
47	Hopkins	U2	1.2	0.03	67.4	U5	0.00	U1	1	0.02	32.6	0.27
47	Hopkins	U2	1.6	0.05	100.00	U5	0.00	0.00	U1	0.00	0.00	0.26
48	North of Eastover	1.8	2.0	0.06	15	14	0.29	72.5	3	0.05	12.5	0.30
48	North of Eastover	U1	2.0	0.06	13.8	13	0.27	66.1	5	0.08	20.1	0.32

Appendix D

WELL #	LOCATION	TOC	CL_ppm	CL_epm	CL_% -	SO4_ppm	SO4_epm	SO4_% -	ALK_ppm	ALK_epm	ALK_% -	CA_ppm
49	Sumter Plant 1- #3	U1	2.5	0.07	35	U10	0.00	U1	8	0.13	65	0.81
49	Sumter Plant 1- #3	2.5	2.7	0.08	19.5	8	0.17	41.5	10	0.16	39	1.1
50	Hemingway	3.2	31	0.87	14.6	12	0.25	4.2	296	4.85	81.2	0.97
50	Hemingway	7.7	36.6	1.03	16.4	5.7	0.12	1.9	313	5.13	81.7	1
51	Allendale	U1	2.0	0.06	7.4	U10	0.00	U1	43	0.71	92.6	8.1
51	Allendale	U2	2.2	0.062	6.17	12	0.25	24.84	42	0.69	68.99	8.1
53	Moncks Corner	1.0	71.2	2.01	15.3	U10	0.00	U1	680	11.1	84.7	4.6
53	Moncks Corner	4.2	21.8	0.62	59.1	U5	0.00	U1	216	0.43	40.9	31
54	Abbeville	2.1	2.8	0.08	16.7	U10	0.00	U1	24	0.39	83.3	7
54	Abbeville	2.6	2.7	0.08	16.8	U5	0.00	U1	23	0.38	83.2	6.1
54	Abbeville (deep)	U2	3	0.085	15.94	U5	0.00	U1	27	0.45	84.06	6.2
55	Starr	2.9	1.9	0.05	9.3	10	0.21	36.3	19	0.31	54.4	4.8
55	Starr	1.8	1.8	0.05	14.7	U5	0.00	U1	18	0.29	85.3	4.2
55	Starr	U2	13.2	0.372	46.42	U5	0.00	U1	26	0.43	53.58	8.1
56	Blacksburg	1.6	3.3	0.09	17.4	U10	0.00	U1	27	0.44	82.6	6.7
56	Blacksburg	1.9	3.6	0.10	18	U5	0.02	U1	28	0.46	81.9	6.3
57	Jenkinsville #11	U1	10.5	0.30	22.8	U10	0.00	U1	61	1	77.2	10
57	Jenkinsville #11	na	2.5	0.07	58.7	U10	0.00	U1	2.5	0.05	41.3	4.9
57	Jenkinsville #11	2.1	3.1	0.09	13.4	7	0.12	22	26	0.43	64.6	5
58	Ridgeway	1.4	21.5	0.61	26.3	13	0.27	11.7	87	1.43	61.9	25
58	Ridgeway	na	3.2	0.09	6.3	U10	0.00	U1	67	1.34	93.7	14
58	Ridgeway	4.2	3.0	0.09	5.7	9	0.19	12.6	74	1.2	81.7	6.5
59	Lake Wateree St Pk	na	2.4	0.07	4.39	U10	0.00	U1	74	1.48	95.6	7.4
59	Lake Wateree St Pk	U1	3.0	0.08	7.1	U10	0.00	U1	67	1.10	92.9	16
59	Lake Wateree St Pk	U2	2.4	0.07	6.9	U5	0.00	U1	56	0.92	93.1	15
60	Jenkinsville #4	na	4.9	0.14	16.1	U10	0.00	U1	36	0.72	83.9	8.5
60	Jenkinsville # 4	U1	4.0	0.11	14.7	U10	0.00	U1	40	0.66	85.3	9.6
60	Jenkinsville #4	U2	4.7	0.13	27.8	U5	0.00	U1	21	0.34	72.2	6.1
61	Mauldin	1.1	5.7	0.16	38.1	11	0.23	54.2	2	0.03	7.8	2.9
62	Fork Shoals	1.4	2.9	0.08	16.6	U10	0.00	U1	25	0.41	83.4	7
62	Fork Shoals	2.7	2.7	0.08	57.8	U5	0.00	U1	27	0.44	85.3	8.4
63	Gilbert	2.3	1.4	0.04	2.9	14	0.29	20.9	53	1.06	76.3	8
63	Gilbert	U1	1.5	0.04	3.9	10	0.21	19.1	51	0.84	77	7.7
63	Gilbert	U2	1.6	0.05	4.8	7	0.15	15.4	46	0.75	79.8	8.1
63	Gilbert	3.1	2.5	0.07	22.14	U5	0.00	0.00	15	0.25	77.86	1.2
64	Little Mountain	1.9	13.8	0.39	6	0	0.00	U1	86	0.55	94	40.1
64	Little Mountain	1.1	5.0	0.14	13.3	U10	0.00	U1	56	0.92	86.7	10
64	Little Mountain	2.5	5.8	0.16	14.3	U5	0.00	U1	60	0.98	85.7	13
65	East Cntrl Newberry	na	3.9	0.11	8.39	U10	0.00	U1	60	1.20	91.6	14
65	East Cntrl Newberry	U1	3.0	0.08	6.6	11	0.23	17.9	59	0.97	75.5	15
65	East Cntrl Newberry	U2	3.0	0.08	9.4	U5	0.00	U1	50	0.82	90.6	14

Appendix D

WELL #	LOCATION	TOC	CL_ppm	CL_epm	CL_% -	SO4_ppm	SO4_epm	SO4_% -	ALK_ppm	ALK_epm	ALK_% -	CA_ppm
66	Newberry	U1	5.0	0.14	17	U10	0.00	U1	42	0.69	83	7.8
67	Whitmire	na	60	0.17	7.6	U10	0.00	U1	104	2.08	92.4	18
67	Whitmire	U1	3.5	0.10	5.2	11	0.23	12	96	1.57	82.8	15
67	Whitmire	5.4	4.3	0.12	5.26	6	0.13	5.4	125	2.1	89.3	27
68	Chappells	na	5.8	0.16	6.47	12	0.25	10.1	103	0.21	83.4	0.50
68	Chappells	U1	5.0	0.14	7.6	U10	0.00	U1	104	1.71	92.4	14
68	Chappells	3.5	4.6	0.13	8.6	U5	0.00	U1	84	1.38	91.4	16
68	Chappells	U2	5.1	0.14	7.57	5.8	0.12	6.36	99	1.64	86.08	18
69	Newberry	2.7	16.1	0.45	58.1	U10	0.00	U1	20	0.33	41.9	8
69	Newberry	3.5	17.6	0.49	50.2	U5	0.00	U1	30	0.49	49.8	12
70	Mountain Rest	3.9	6.6	0.19	34.6	13	0.27	50.2	5	0.08	15.2	1.1
70	Mountain Rest	3.0	2.2	0.06	43.1	U5	0.00	U1	5	0.08	56.9	0.7
70	Mountain Rest	U2	2.1	0.059	41.75	U5	0.00	U1	5	0.08	58.25	0.6
71	Pickens	1.1	1.5	0.04	12.5	U10	0.00	U1	18	0.30	87.5	5.9
71	Pickens	2.2	1.0	0.03	16.1	U5	0.00	U1	9	0.14	83.9	2.3
71	Pickens	U2	1.0	0.03	18.34	U5	0.00	0.00	7.6	0.13	81.66	2.3
72	Ballentine	U1	9.5	0.27	14.1	10	0.21	10.9	87	1.43	75	29
72	Ballentine	7.8	14.1	0.40	26.5	13	0.27	17.9	42	0.84	73	12
72	Ballentine	U2	72	2.03	46.59	8.6	0.18	4.11	130	2.15	49.30	0.15
73	Union	2.4	1.8	0.05	9.1	U10	0.00	U1	31	0.51	90.9	8.2
73	Union	2.2	2.3	0.07	13.2	U5	0.00	U1	26	0.43	86.8	5.7
74	Guthries	1.4	1.8	0.05	5.7	U10	0.00	U1	51	0.84	94.3	13
74	Guthries	1.1	2.2	0.06	8.1	U5	0.00	U1	43	0.70	91.9	9.5
75	Abbeville	2.1	2.2	0.06	5.9	10	0.21	19.7	48	0.79	74.5	11
75	Abbeville	2.1	3.6	0.10	25.6	U5	0.02	U1	18	0.3	74.4	5.7
75	Abbeville (shallow)	U2	2.5	0.071	21.05	U5	0.00	U1	16	0.26	78.95	3.8
76	Starr	2.2	2.7	0.08	4.6	U10	0.00	U1	96	1.57	95.4	10
76	Starr	1.8	3.6	0.10	17.1	U5	0.00	U1	30	0.49	82.9	8.8
76	Starr (deep)	U2	2.9	0.082	10.36	7	0.15	18.47	34	0.56	71.17	14.0
77	Blacksburg	3.3	1.9	0.05	4.1	U5	0.00	U1	76	1.25	95.9	19
78	Mauldin	1.6	1.5	0.04	24.4	U10	0.00	U1	8	0.13	75.6	2.3
79	Fork Shoals	2.3	1.9	0.05	4.3	U10	0.00	U1	73	1.20	95.7	17
79	Fork Shoals	2.7	1.9	0.05	3.9	U5	0.00	U1	81	1.33	96.1	19
79	Fork Shoals	U2	2.2	0.06	4.25	6.0	0.13	8.56	77	1.27	87.19	18
80	Newberry	1.5	3.2	0.09	11.6	U10	0.00	U1	42	0.69	88.4	7.5
80	Newberry	2.7	3.0	0.09	20.8	U5	0.00	U1	43	0.70	89.3	7.3
81	Mountain Rest	3.6	4.4	0.12	65.4	U10	0.00	U1	4	0.07	34.6	0.84
81	Mountain Rest	3.3	2.7	0.08	53.7	U5	0.00	U1	4	0.06	46.3	0.80
81	Mountain Rest	U2	2	0.056	53.22	U5	0.00	U1	3	0.05	46.78	0.9
82	Pickens	1.0	U1	0.00	U1	12	0.25	47.2	17	0.28	52.8	2.5

Appendix D

WELL #	LOCATION	TOC	CL_ppm	CL_epm	CL_% -	SO4_ppm	SO4_epm	SO4_% -	ALK_ppm	ALK_epm	ALK_% -	CA_ppm
82	Pickens	2.2	U1	U1	U1	U5	0.00	U1	17	0.27	99	2.9
82	Pickens		U2	1.4	0.04	9.05	U5	0.00	0.00	24	0.40	90.95
83	Union	1.2	16.7	0.47	61.5	U10	0.00	U1	18	0.30	38.5	10
83	Union	1.7	12.8	0.36	53.7	U5	0.00	U1	19	0.31	46.3	7.5
84	McClellanville	4.5	20.7	0.58	13.5	U10	0.00	U1	228	3.74	86.5	71
85	Edisto Beach (13)	13.2	240	6.77	49.8	170	3.54	26	201	3.30	24.2	148
86	Bennetts Point	U1	215	6.06	44.7	30	0.62	4.6	420	6.89	50.7	2.5
86	Bennetts Point	39	295	83.2	89.2	100	2.1	2.3	484	7.93	8.5	11
86	Bennetts Point	20	235	6.629	50.53	33	0.69	5.24	351	5.80	44.23	3.7
86	Bennetts Point	5.1	37	1.044	13.69	NA	0.00	U1	398	6.58	86.31	4.6
87	North Santee	5.2	12.8	0.36	7.4	U10	0.00	U1	275	4.51	92.6	73
88	Socastee	U1	17	0.48	47	U10	0.00	U1	33	0.54	53	6.8
88	Socastee	3.2	22.9	0.65	31.6	38	0.79	38.3	38	0.62	30.1	7.1
89	Fairfax	U1	2.0	0.06	3.6	U10	0.00	U1	93	1.53	96.4	11
89	Fairfax	3.8	2.2	0.06	3.4	10.00	0.21	11.8	92	1.51	84.8	11
89	Fairfax	na	2.7	0.076	5.03	U5	0.00	0.00	87	1.44	94.97	13.0
90	Frogmore	1.0	26	0.73	26.3	U10	0.00	U1	125	2.05	73.7	40
90	Frogmore	2.1	29.5	0.832	28.02	5	0.10	3.51	123	2.03	68.47	36.0
91	Sheldon	11.4	5.6	0.16	6.61	U10	0.00	U1	138	2.26	93.4	23
91	Sheldon	U1	5.0	0.14	5.8	U10	0.00	U1	139	2.28	94.2	23
91	Sheldon	na	6.1	0.172	7.36	U5	0.00	U1	131	2.17	92.64	22.0
91	Sheldon	U2	5.5	0.155	6.11	5	0.10	4.10	138	2.28	89.79	23.0
92	Hilton Head Island	26	74	2.09	41.6	20	0.42	8.3	154	2.52	50.1	41
92	Hilton Head Island	U1	45	1.27	37.7	6	0.12	3.7	120	1.97	58.5	23
92	Hilton Head Island	na	76.2	2.150	36.32	U5	0.00	U1	228	3.77	63.68	80.0
92	Hilton Head Island	7.4	77.6	2.189	32.21	22	0.46	6.74	251	4.15	61.05	92.0
93	Bluffton	13.3	42.3	1.19	30.2	U10	0.00	U1	168	2.75	69.8	46
93	Bluffton	U1	45	1.27	32.7	U10	0.00	U1	159	2.61	67.3	54
93	Bluffton	na	84.4	2.381	46.94	7	0.15	2.88	154	2.55	50.19	45.0
93	Bluffton	2.1	94.3	2.660	49.32	9	0.19	3.48	154	2.55	47.20	46.0
94	Walterboro (29)	11.7	4.4	0.12	3.8	U10	0.00	U1	184	3.02	96.2	2
94	Walterboro (29)	U1	4.5	0.13	3.7	U10	0.00	U1	201	3.30	96.3	2.5
94	Walterboro (29)	22	4.9	0.138	2.77	82	1.71	34.26	190	3.14	62.97	2.6
94	Walterboro (29)	2.3	5	0.141	4.05	9	0.19	5.38	191	3.16	90.57	2.4
95	Edisto Beach (4)	4.1	750	21.2	68.5	65	1.35	4.4	510	8.36	27.1	9.8
95	Edisto Beach (4)	37	568	16.0	64.8	85	1.77	7.2	422	6.92	28	4
95	Edisto Beach (4)	6.2	1300	36.671	82.89	U5	0.00	U1	458	7.57	17.11	11.0
95	Edisto Beach (4)	U2	1100	31.03	75.14	96	2.00	4.84	500	8.26	20.01	
96	Lieber Correctional	1.0	U1	0.00	U1	U10	0.00	U1	152	2.49	99	18
96	Lieber Correctional	3.0	5.5	0.16	5.80	U5	0.00	U1	159	2.61	94.2	19

Appendix D

WELL #	LOCATION	TOC	CL_ppm	CL_epm	CL_% -	SO4_ppm	SO4_epm	SO4_% -	ALK_ppm	ALK_epm	ALK_% -	CA_ppm
97	Hardeeville	7.7	7.4	0.21	10.7	U10	0.00	U1	107	1.75	89.3	21
97	Hardeeville	U1	3.5	0.10	5.3	U10	0.00	U1	108	1.77	94.7	18
97	Hardeeville	na	3.6	0.102	5.73	U5	0.00	U1	101	1.67	94.27	18.0
97	Hardeeville	U2	3.7	0.104	5.21	7	0.15	7.28	106	1.75	87.50	17.0
98	Ridgeland	1.7	5.1	0.14	5.4	U10	0.00	U1	150	2.46	94.6	43
98	Ridgeland	U1	5.0	0.14	5.3	U10	0.00	U1	154	2.53	94.7	44
98	Ridgeland	na	5.4	0.152	6.14	U5	0.00	U1	141	2.33	93.86	42.0
98	Ridgeland	U2	5.5	0.155	5.92	5	0.10	3.97	143	2.36	90.11	40.0
99	Grays	U1	3.5	0.10	4.2	U10	0.00	U1	138	2.26	95.8	41
99	Grays	70	4.0	0.11	4.8	U10	0.00	U1	136	2.23	95.3	41
99	Grays	na	4	0.113	4.69	11	0.23	9.52	125	2.07	85.80	41.0
99	Grays	U2	4.1	0.116	4.98	6	0.13	5.38	126	2.08	89.64	39.0
100	Cope	1.1	2.0	0.06	4.6	U10	0.00	U1	72	1.18	95.4	25
100	Cope	5.8	0.22	0.01	U1	11	0.23	14.6	81	1.33	84.7	26
100	Cope	U2	1.6	0.045	3.08	7	0.15	9.96	77	1.27	86.95	26.0
101	Orng Fish Hatchery(2)	8.3	2.7	0.08	5.03	U10	0.00	U1	92	1.51	95	35
101	Orng Fish Hatchery(2)	U1	6.0	0.17	9	U10	0.00	U1	104	1.71	91	42
101	Orng Fish Hatchery(2)	U2	4.9	0.138	9.36	U5	0.00	U1	81	1.34	90.64	40.0
101	Orng Fish Hatchery(2)	U2	5.9	0.17	7.69	8.6	0.18	8.28	110	1.82	84.03	43
102	Blackville	7.8	2.5	0.07	77.8	U10	0.00	U1	102	0.02	22.2	44
102	Blackville	U1	2.5	0.07	3.6	U10	0.00	U1	114	1.87	96.4	43
102	Blackville	U2	2.6	0.073	4.05	U5	0.00	U1	105	1.74	95.95	43.0
102	Blackville	U2	2.8	0.08	3.90	6.1	0.13	6.28	110	1.82	89.82	42
103	Lex-Oak Grove Elem	U1	2.0	0.06	63.2	U10	0.00	U1	2.0	0.03	36.8	0.27
103	Lex-Oak Grove Elem	1.4	71.1	2.00	54.5	12	0.25	6.81	71	1.42	38.7	0.33
103	Lex-Oak Grove Elem	2.8	3.4	0.09	5.3	U5	0.00	U1	105	1.7	94.7	0.44
103	Lex-Oak Grove Elem	U2	2.4	0.07	100.00	U5	0.00	0.00	U1	0.00	0.00	0.47
104	North	U1	2.5	0.07	68.2	U10	0.00	U1	2.0	0.03	31.8	0.60
104	North	1.8	2.6	0.07	99	U10	0.00	U1	U1	0	U1	0.62
104	North	U2	2.8	0.079	70.50		0.00	U1	2	0.03	29.50	0.8
104	North	U2	3.0	0.08	100.00	U5	0.00	0.00	U1	0.00	0.00	0.77
105	Pickney Estates	U1	2.5	0.07	20.2	U10	0.00	U1	17	0.28	79.8	6.1
105	Pickney Estates	1.8	2.8	0.08	12.5	11	0.23	35.9	20	0.33	51.6	7.6
106	Hamilton Branch	2.3	5.1	0.14	14.1	U10	0.00	U1	52	0.85	85.9	6.5
106	Hamilton Branch	2.4	4.7	0.13	13.1	U5	0	U1	54	0.89	86.9	6.2
107	N.W. Edgefield Co.	2.2	3.8	0.10	20.8	U10	0.00	U1	24	0.38	79.2	3.1
108	Caesar's Head	3.4	6.0	0.17	2.61	12	0.24	3.69	373	6.11	93.7	1.5
108	Caesar's Head	U2	1.3	0.04	12.9	U5	0	U1	15	0.25	87	3
108	Caesar's Head	U2	9.9	0.28	60.57	U5	0.00	0.00	11	0.18	39.43	2.2
109	Spartanburg	3.0	5.1	0.14	9	U10	0.00	U1	91	1.49	91	19

Appendix D

WELL #	LOCATION	TOC	CL_ppm	CL_epm	CL_% -	SO4_ppm	SO4_epm	SO4_% -	ALK_ppm	ALK_epm	ALK_% -	CA_ppm
109	Spartanburg	3.1	5.5	0.155	8.2	16	0.33	17.5	86	1.41	74.3	20
110	Chester State Park	4.5	17.9	0.50	11.1	38	0.79	17.6	195	3.20	71.3	67
110	Chester State Park	8.9	18	0.51	9.88	50	1.04	20.3	219	3.59	69.85	57
111	White Bluff Baptist C	1.9	4.5	0.13	25.5	U10	0.00	U1	23	0.38	74.5	2.6
111	White Bluff Baptist C	U2	4.4	0.12	24.8	U5	0	U1	23	0.38	75.2	2.5
112	Westside Estates	1.5	2.2	0.06	5.17	U10	0.00	U1	64	1.10	94.8	14
112	Westside Estates	2.4	2.2	0.06	5.19	8	0.166	13.9	59	0.97	80.9	13
113	Amick Poultry	2.5	6.4	0.02	15.7	15	0.23	20	45	0.74	64.4	1.7
113	Amick Poultry	5	8.8	0.25	10.9	50	1.041	45.8	60	0.98	43.3	20
113	Amick Poultry	U2	7.1	0.20	10.32	47	0.98	50.48	46	0.76	39.20	5.2
114	WSBH Radio	4.1	4.4	0.12	5.7	U10	0.00	U1	122	2.00	94.3	39
114	WSBH Radio	U2	4.5	0.127	5.6	5	0.104	4.6	124	2.03	89.8	37
114	WSBH Radio	U2	4.2	0.118	5.44	6	0.13	5.74	117	1.93	88.82	39.0
115	McCormick	U2	16.4	0.463	8.77	150	3.13	59.26	102	1.69	31.97	81.0
116	Pelion	U2	2.4	0.07	100.00	U5	0.00	0.00	0.0	0.00	0.00	0.27

Appendix D

WELL #	LOCATION	CA_epm	CA_% +	MG_ppm	MG_epm	MG_% +	NA_ppm	NA_epm	K_ppm	K_epm	NA_K %	F_ppm	AS_ppm
01	Bamberg	0.17	64.2	0.57	0.05	17.7	1.1	0.05	U1	0.00	18.1	0.30	U.005
01	Bamberg	0.16	39	0.55	0.05	12	1.2	0.05	6	0.15	48.7	U0.1	U.005
01	Bamberg	0.24	45.78	0.69	0.06	10.86	1.1	0.05	7	0.18	43.36	0.14	U.005
01	Bamberg	0.24	48.63	0.64	0.05	10.48	1.2	0.05	6	0.15	40.90	U.1	U.005
02	Williston	0.65	85.9	0.55	0.05	6	1.4	0.06	U1	0.00	8.1	0.20	U.005
02	Williston	0.60	84.5	0.55	0.05	7	1.4	0.06	U1	0.00	8.4	0.14	U.005
02	Williston	0.60	60.32	0.56	0.05	4.64	8	0.35	U1	0.00	35.04	0.13	U.005
02	Williston	0.48	41.65	1.0	0.08	7.08	13	0.57	1.2	0.03	51.27	U.1	U.005
03	Elloree	0.44	39.3	0.92	0.08	6.7	14	0.61	U1	0.00	54	0.30	U.005
03	Elloree	0.46	35.7	0.95	0.08	6.2	13	0.57	7	0.18	68.5	0.15	U.005
03	Elloree	0.44	34.26	1	0.08	6.35	13	0.57	8	0.20	59.39	na	U.005
04	Bowman	0.08	5.4	0.06	0.00	U1	32	1.39	U1	0.00	94.3	0.20	U.005
04	Bowman	0.08	5.4	0.09	0.01	U1	31	1.35	2	0.05	94.6	0.16	U.005
04	Bowman	0.08	5.49	U.05	0.00	0.00	31	1.35	1	0.03	94.51	na	U.005
04	Bowman	0.08	5.43	0.078	0.01	0.44	31	1.35	1.4	0.04	94.13	0.12	U.005
05	Lake View #1	0.02	1.3	0.16	0.01	U1	33	1.44	U1	0.00	97.8	0.40	U.005
06	Latta #1	0.13	9.7	2.60	0.21	15.9	23	1.00	U1	0.00	74.4	0.20	U.005
06	Latta #1	0.12	7.5	2.80	0.23	14.4	25	1.10	6	0.15	78.1	0.16	U.005
07	Johnsonville	0.06	1.7	0.17	0.01	U1	86	3.74	U1	0.00	97.9	1.68	U.005
07	Johnsonville	0.10	2.5	0.20	0.02	U1	87	3.78	4	0.10	97	1.39	U.005
08	McLeod Med Center	0.70	66.3	2.10	0.17	16.4	4.2	0.18	U1	0.00	17.3	0.46	U.005
08	McLeod Med Center	0.60	62.5	1.80	0.15	15.6	3.7	0.16	2	0.05	21.9	0.34	U.005
09	Olanta	0.55	42.0	3.00	0.25	18.9	3.5	0.15	14	0.36	39.2	0.10	U.005
09	Olanta	0.55	41.6	3.40	0.25	18.9	3.7	0.16	14	0.36	39.4	U0.1	U.005
10	Pamplico #1	0.09	5.6	0.36	0.03	1.8	36	1.57	U1	0.00	92.6	0.66	U.005
10	Pamplico #1	0.07	4	0.33	0.03	1.7	35	1.52	5	0.13	94.3	0.49	U.005
11	Andrews #2	0.06	1	0.19	0.02	U1	140	6.09	U1	0.00	98.8	1.80	U.005
11	Andrews #2	0.1	1.5	0.24	0.02	2.9	150	6.53	3	0.08	98.2	1.52	U.005
12	Georgetown #2	0.11	1.1	0.44	0.04	U1	220	9.57	U1	0.00	98.5	0.98	U.005
12	Georgetown #2	0.1	U1	0.51	0.04	3.7	240	10.4	5	0.13	98.7	0.9	U.005
13	Conway #6	0.10	U1	0.62	0.05	U1	280	12.2	U1	0.00	98.7	3.40	U.005
13	Conway #6	0.42	19.4	1.1	0.09	4.1	37	1.61	3	0.08	76.4	1	U.005
14	Surfside-Poplar St.	0.08	U1	0.54	0.04	U1	240	10.4	U1	0.00	98.8	1.80	U.005
14	Surfside-Poplar St.	0.08	U1	0.48	0.04	U1	230	10.0	3	0.08	98.8	3.1	U.005
15	Myrtlewood	1.20	51.6	1.50	0.12	5.3	23	1.00	U1	0.00	43.1	1.06	U.005
15	Myrtlewood	1.29	16.7	2.90	0.24	3.1	140	6.09	4	0.10	80.2	1.54	U.005
16	Longs #2	0.17	1.1	2.10	0.17	1.1	340	14.8	9	0.23	97.7	3.80	U.005
16	Longs #2	0.31	1.5	3.60	0.30	1.4	460	20.0	12	0.31	97.1	1.83	U.005
17	Mullins-Gapway	0.07	3	0.61	0.05	2.1	51	2.22	U1	0.00	94.9	0.66	U.005
17	Mullins-Gapway	0.07	2.6	0.64	0.05	1.9	55	2.40	5	0.13	95.5	0.65	U.005

Appendix D

WELL #	LOCATION	CA_epm	CA_% +	MG_ppm	MG_epm	MG_% +	NA_ppm	NA_epm	K_ppm	K_epm	NA_K %	F_ppm	AS_ppm
18	Oakland Plantation	0.03	19.8	0.35	0.03	20.7	1.9	0.08	U1	0.00	59.5	U0.1	U.005
18	Oakland Plantation	0.02	12.5	0.30	0.03	18.8	1.8	0.08	1	0.03	68.8	0.10	U.005
19	Watson Correctional	0.05	21.5	0.54	0.04	17.3	3.6	0.16	U1	0.00	61.2	U0.1	U.005
19	Watson Correctional	0.02	15.4	0.26	0.02	15.4	2	0.09	U1	0.00	69.2	0.11	U.005
20	Kingstree RT 377	0.09	2.4	0.30	0.02	U1	88	3.83	U1	0.00	97	2.10	U.005
20	Kingstree RT 377	0.10	2.5	0.26	0.02	U1	86	3.74	3	0.08	96.9	1.37	U.005
21	St. Stephens	0.07	1.2	0.18	0.01	U1	130	5.65	U1	0.00	98.6	1.52	U.005
21	St. Stephens	0.07	1.13	0.17	0.01	U1	140	6.09	1	0.03	98.7	1.25	U.005
22	Summerville #5	0.04	U1	0.11	0.01	U1	250	10.9	U1	0.00	99.6	2.80	U.005
22	Summerville #5	0.04	U1	0.16	0.01	U1	250	10.9	2	0.05	99.5	4.0	U.005
23	Cainhoy High School	0.80	14.6	15	1.23	22.5	71	3.09	14	0.36	62.9	1.02	U.005
23	Cainhoy High School	0.80	14.4	16	1.32	23.8	70	3.05	15	0.38	61.8	0.94	U.005
24	Santee Cooper	1.00	16.5	18	1.48	24.5	72	3.13	17	0.44	59.0	0.98	U.005
24	Santee Cooper	1.05	16.4	20	1.65	25.8	75	3.26	17	0.44	57.8	0.70	U.005
25	St. Matthews	1.15	73.7	0.90	0.07	4.8	7.7	0.33	U1	0.00	21.5	3	U.005
25	St. Matthews	1.20	81.6	0.93	0.08	5.4	3.6	0.16	1	0.03	12.9	U0.1	U.005
25	St. Matthews	1.15	81.48	0.91	0.07	5.32	3.1	0.13	2	0.05	13.20	na	U.005
26	Wagener	0.04	38.1	0.18	0.02	14.3	1.1	0.05	U1	0.00	47.6	na	U.005
26	Wagener	0.02	22.7	0.16	0.01	16.7	1.1	0.05	U1	0.00	60.6	U0.1	U.005
27	North Augusta	0.05	25.8	0.55	0.05	23.8	2.2	0.10	U1	0.00	50.4	U0.1	U.005
28	Montmorenci-Coucht	0.04	28.6	0.36	0.03	21.4	1.6	0.07	U1	0.00	50	na	U.005
28	Montmorenci-Coucht	0.03	25.9	0.30	0.02	18.5	1.7	0.07	U1	0.00	55.6	U0.1	U.005
28	Montmorenci-Coucht	0.03	25.92	0.3	0.02	21.38	1.4	0.06	U1	0.00	52.70	U0.1	U.005
28	Montmorenci-Coucht	0.03	23.53	0.31	0.03	18.80	1.8	0.08	U1	0.00	57.67	U.1	U.005
29	Parris Island	0.07	U1	0.46	0.04	U1	4	0.17	480	12.3	99.1	6.5	U.005
29	Parris Island	0.07	U1	0.43	0.04	U1	500	21.8	U1	0.00	99.5	3.90	U.005
29	Parris Island	0.03	U1	0.29	0.02	U1	450	19.57	450	11.51	99.81	na	U.005
29	Parris Island	0.03	U1	0.18	0.01	0.08	440	19.13	4	0.10	99.78	NA	U.005
30	Patrick #1	0.01	18	0.13	0.01	18.4	U1	0.04	U1	0.00	63.6	U0.1	U.005
30	Patrick #1	0.01	16.6	0.17	0.01	16.6	U1	0.04	U1	0.00	66.6	U0.1	U.005
31	Walterboro (50)	0.03	U1	U.05	0.00	U1	74	3.22	U1	0.00	99.1	0.80	U.005
31	Walterboro (50)	0.12	2.8	0.99	0.08	1.9	89	3.87	8	0.20	95.3	1.04	U.005
31	Walterboro (50)	0.12	3.01	1.1	0.09	2.27	82	3.57	8	0.20	94.72	1.01	U.005
32	Main Street	0.03	25.3	0.37	0.03	22.7	1.6	0.07	U1	0.00	52	U0.1	U.005
32	Main Street	0.03	23.1	0.37	0.03	23.1	1.5	0.07	U1	0.00	53.8	U0.1	U.005
33	Hartsville #4	0.05	45.5	0.14	0.01	11.4	1	0.04	U1	0.00	43.1	U0.1	U.005
33	Hartsville #4	0.48	84.2	0.22	0.02	3.5	1.5	0.07	U1	0.00	12.3	U0.1	U.005
34	Timmonsville #2	0.07	27.6	0.96	0.08	31.2	2.4	0.10	U1	0.00	41.2	U0.1	U.005
34	Timmonsville #2	0.08	22.2	1.10	0.09	25	2.5	0.11	3	0.08	52.8	U0.1	U.005
35	S. Ballard Street	0.13	5.2	1.30	0.11	4.1	51	2.22	6	0.15	90.8	0.28	U.005

Appendix D

WELL #	LOCATION	CA_epm	CA_% +	MG_ppm	MG_epm	MG_% +	NA_ppm	NA_epm	K_ppm	K_epm	NA_K %	F_ppm	AS_ppm
35	S. Ballard Street	0.45	28.4	2	0.17	10.8	19	0.83	5	0.13	60.8	0.11	U.005
36	Elgin	0.02	21	0.30	0.02	28.8	U1	0.04	U1	0.00	50.3	U0.1	U.005
36	Elgin	0.02	15.4	0.30	0.03	23.1	1.9	0.08	U1	U1	61.5	0.11	U.005
37	Bethune	0.19	40.1	2.70	0.22	47	1.4	0.06	U1	0.00	12.9	U0.1	U.005
37	Bethune	0.07	28	0.94	0.08	32	2.4	0.10	U1	0.00	40	0.10	U.005
38	Camden	0.07	24.6	0.96	0.08	27.8	3.1	0.13	U1	0.00	47.5	U0.1	U.005
38	Camden	0.03	14.3	0.30	0.03	14.3	3.4	0.15	U1	0.00	71.4	0.12	U.005
39	Bishopville #4	0.09	48.7	0.21	0.02	8.9	1.9	0.08	U1	0.00	42.4	0.30	U.005
39	Bishopville #4	0.02	20	0.20	0.02	20	1.3	0.06	U1	0.00	60	0.12	U.005
40	Swansea	4.84	91.2	0.17	0.01	U1	U1	0.00	18	0.46	8.7	na	U.005
40	Swansea	0.01	16.3	0.20	0.02	21.4	1.1	0.05	U1	0.00	62.3	na	U.005
40	Swansea	0.01	14.5	0.2	0.02	17.2	1.5	0.07	U1	0.00	68.3	U0.1	U.005
40	Swansea	0.01	13.89	0.23	0.02	17.56	1.7	0.07	U1	0.00	68.56	U.1	U.005
41	Summit	0.04	20	0.79	0.07	U1	2.1	0.09	U1	0.00	45	U0.1	U.005
41	Summit	0.03	15.4	0.60	0.05	28.8	2.2	0.10	U1	0.00	55.8	U0.1	U.005
41	Summit	0.04	18.7	1.1	0.09	38.6	2.3	0.10	U1	0.00	42.7	U0.1	U.005
41	Summit	0.06	18.03	1.7	0.14	42.14	2.1	0.09	1.6	0.04	39.82	U.1	U.005
42	Hidden Valley	0.02	26.4	0.20	0.02	20.2	1	0.04	U1	0.00	53.4	U0.1	U.005
42	Hidden Valley	0.02	6.51	0.24	0.02	7.7	1	0.04	U1	0.00	16.9	na	U.005
42	Hidden Valley	0.02	19.7	0.25	0.02	21.4	1.3	0.06	U1	0.00	58.9	U0.1	U.005
42	Hidden Valley	0.02	19.98	0.24	0.02	21.97	1.2	0.05	U1	0.00	58.04	U.1	U.005
43	Clio	0.09	31.6	0.41	0.03	11.8	3.7	0.16	U1	0.00	56.6	U0.1	U.005
43	Clio	0.10	23.8	0.42	0.04	9.5	5.2	0.23	2	0.05	66.6	U0.1	U.005
44	Orng Fish Hatchery(1)	0.11	43.6	0.56	0.05	18.3	2.2	0.10	U1	0.00	38	U0.1	U.005
44	Orng Fish Hatchery(1)	0.11	26.8	0.59	0.05	12.1	2.2	0.10	6	0.15	61	U0.1	U.005
44	Orng Fish Hatchery(1)	0.14	28.51	0.76	0.06	12.32	2.2	0.10	8	0.20	59.16	na	U.005
44	Orng Fish Hatchery(1)	0.13	27.77	0.66	0.05	11.63	2.1	0.09	7.5	0.19	60.60	U.1	U.005
45	Fort Jackson	0.02	23.7	0.24	0.02	22.3	1.1	0.05	U1	0.00	54	U0.1	U.005
45	Fort Jackson	0.02	23.7	0.20	0.02	21.1	U1	0.04	U1	0.00	55.3	U0.1	U.005
45	Fort Jackson	0.02	23.5	0.22	0.02	22.5	1	0.00	U1	0.04	54	U0.1	U.005
45	Fort Jackson	0.02	24.48	0.22	0.02	22.20	1.0	0.04	U1	0.00	53.32	U.1	U.005
46	Spring Valley	0.02	9.87	0.32	0.03	16	2.8	0.12	U1	0.00	74.1	0.10	U.005
46	Spring Valley	0.02	9.5	0.35	0.03	14.7	3.4	0.15	U1	0.00	75.8	U0.1	U.005
46	Spring Valley	0.02	10	0.45	0.04	15.5	4.1	0.18	U1	0.00	74.5	U0.1	U.005
47	Hopkins	0.01	19.8	0.17	0.01	21.3	U1	0.04	U1	0.00	59	U0.1	U.005
47	Hopkins	0.01	18.8	0.14	0.01	18.8	U1	0.04	U1	0.00	62.5	U0.1	U.005
47	Hopkins	0.01	21.2	0.15	0.01	19.3	U1	0.04	U1	0.00	59.5	U0.1	U.005
47	Hopkins	0.01	20.39	0.14	0.01	18.11	0.90	0.04	U1	0.00	61.50	U.1	U.005
48	North of Eastover	0.02	9.9	0.56	0.05	30.3	1.1	0.05	2	0.05	60.6	0.15	U.005
48	North of Eastover	0.02	13.4	0.57	0.05	39.3	1.3	0.06	U1	0.00	47.4	0.10	U.005

Appendix D

WELL #	LOCATION	CA_epm	CA_% +	MG_ppm	MG_epm	MG_% +	NA_ppm	NA_epm	K_ppm	K_epm	NA_K %	F_ppm	AS_ppm
49	Sumter Plant 1- #3	0.04	22.5	0.64	0.05	29.2	2	0.09	U1	0.00	48.3	U0.1	U.005
49	Sumter Plant 1- #3	0.06	23.1	0.77	0.06	23.1	2.1	0.09	2	0.05	53.8	0.16	U.005
50	Hemingway	0.05	U1	0.21	0.02	U1	160	6.96	U1	0.00	99.1	1.88	U.005
50	Hemingway	0.05	U1	0.24	0.02	U1	170	7.40	1	0.03	99.1	1.46	U.005
51	Allendale	0.40	40.1	1.00	0.08	8.2	12	0.52	U1	0.00	51.8	0.30	U.005
51	Allendale	0.40	37.32	1.1	0.09	8.36	10	0.43	6	0.15	54.32	0.25	U.005
53	Moncks Corner	0.23	1.4	2.30	0.19	1.2	350	15.2	8	0.21	97.4	1.76	U.005
53	Moncks Corner	1.55	30.7	20	1.65	32.7	36	1.57	11	0.28	36.6	0.84	U.005
54	Abbeville	0.35	48.4	1.20	0.10	13.7	6.3	0.27	U1	0.00	38	0.14	U.005
54	Abbeville	0.30	48	1.0	0.08	13	5.7	0.25	U1	0.00	39	U0.1	U.005
54	Abbeville (deep)	0.31	42.67	1.1	0.09	12.49	6.3	0.27	2	0.05	44.84	U.1	U.005
55	Starr	0.24	50.8	1.6	0.13	27.9	2.3	0.10	1.3	0.03	21.2	U0.1	U.005
55	Starr	0.21	45.9	1.5	0.12	26.4	2.2	0.1	1.1	0.03	27.7	U0.1	U.005
55	Starr	0.40	38.47	3.8	0.31	29.77	6.5	0.28	2	0.05	31.77	U.1	U.005
56	Blacksburg	0.33	54.6	2.8	0.23	37.6	1.1	0.05	2.7	0.07	7.8	0.18	U.005
56	Blacksburg	0.31	48.7	2.7	0.22	34.4	1.2	0.52	2.2	0.06	16.9	U0.1	U.005
57	Jenkinsville #11	0.50	32.1	4.4	0.36	23.2	16	0.70	U1	0.00	44.7	0.20	U.005
57	Jenkinsville #11	0.25	32.3	1.1	0.09	12	9.7	0.42	U1	0.00	55.7	0.17	U.005
57	Jenkinsville #11	0.25	29.3	1.2	0.09	11.6	11	0.48	U1	0.02	59.1	0.14	U.005
58	Ridgeway	1.25	49	10	0.82	32.3	11	0.48	U1	0.00	18.8	U0.1	U.005
58	Ridgeway	0.70	42.4	6	0.49	30	8.6	0.37	3.1	0.08	27.6	0.15	U.005
58	Ridgeway	0.32	42.2	1.7	0.14	18.2	7	0.31	U1	0.00	39.6	0.12	U.005
59	Lake Wateree St Pk	0.37	45.7	1.8	0.15	18.5	6.7	0.29	U1	0.00	35.8	0.28	U.005
59	Lake Wateree St Pk	0.80	57.5	2.8	0.23	16.6	8.3	0.36	U1	0.00	26	0.50	U.005
59	Lake Wateree St Pk	0.75	56.7	6.6	0.54	30.8	9.1	0.40	3	0.08	12.5	0.21	U.005
60	Jenkinsville #4	4.24	93.6	3	0.25	5.5	7.2	0.31	1.5	0.04	7.7	0.43	U.005
60	Jenkinsville # 4	0.48	44.8	3.1	0.25	23.8	7.7	0.33	U1	0.00	31.3	0.50	U.005
60	Jenkinsville #4	0.30	33.9	2.5	0.21	22.9	7.7	0.34	2	0.05	43.1	0.27	U.005
61	Mauldin	0.14	35.1	0.34	0.03	6.8	5.5	0.24	1.2	0.03	58.1	U0.1	U.005
62	Fork Shoals	0.35	57.8	0.61	0.05	8.3	4.7	0.20	1.5	0.04	33.9	0.20	U.005
62	Fork Shoals	0.42	57.8	0.5	0.04	5.7	4.9	0.21	2	0.05	36.5	U0.1	U.005
63	Gilbert	0.40	35.4	1.9	0.16	14.2	12	0.52	2	0.05	50.4	0.56	U.005
63	Gilbert	0.38	35	1.8	0.15	13.5	13	0.57	U1	0.00	51.5	0.60	U.005
63	Gilbert	0.41	33.8	1.8	0.15	12.4	13	0.57	3	0.08	53.8	0.57	U.005
63	Gilbert	0.06	10.69	0.87	0.07	12.78	8.8	0.38	1.8	0.05	76.53	U.1	U.005
64	Little Mountain	4.80	U1	28.5	9.10	U1	1.2	0.03	3.1	0.10	8.7	na	U.005
64	Little Mountain	0.50	38	4.6	0.38	28.8	10	0.44	U1	0.00	33.2	U0.1	U.005
64	Little Mountain	0.65	41.6	5.6	0.46	29.5	9.7	0.42	1	0.03	28.9	U0.1	U.005
65	East Cntrl Newberry	0.70	55.5	2.3	0.19	15.1	7.7	0.33	1.6	0.04	29.4	0.22	U.005
65	East Cntrl Newberry	0.75	57.8	2.2	0.18	14	8.4	0.37	U1	0.00	28.2	0.20	U.005
65	East Cntrl Newberry	0.69	53.9	2.2	0.18	13.9	8.4	0.37	2	0.05	32.2	0.17	U.005

Appendix D

WELL #	LOCATION	CA_epm	CA_% +	MG_ppm	MG_epm	MG_% +	NA_ppm	NA_epm	K_ppm	K_epm	NA_K %	F_ppm	AS_ppm
66	Newberry	0.39	38.7	2.7	0.22	22	9.1	0.40	U1	0.00	39.3	0.20	U.005
67	Whitmire	0.90	42.2	7.4	0.61	28.6	11	0.48	5.6	0.14	29.2	0.30	U.005
67	Whitmire	0.75	39.8	7.4	0.61	32.4	12	0.52	U1	0.00	27.8	0.30	U.005
67	Whitmire	1.4	48.1	8.9	0.73	26.2	13	0.57	6	0.15	25.7	0.33	U.005
68	Chappells	0.75	41.2	8.5	0.70	38.5	8.6	0.37	U6	0.00	20.3	0.02	U.005
68	Chappells	0.70	41.5	7.3	0.60	35.7	8.8	0.38	U1	0.00	22.8	0.10	U.005
68	Chappells	0.79	41.5	8.6	0.71	36.8	9.6	0.42	U1	0.00	21.7	0.1	U.005
68	Chappells	0.90	42.21	9.6	0.79	37.13	9.4	0.41	1.2	0.03	20.65	0.10	U.005
69	Newberry	0.40	36.8	2	0.16	15.1	12	0.52	5.6	0.14	48.1	U.0.1	U.005
69	Newberry	0.59	37.8	2.7	0.22	14	14	0.61	6	0.15	48.2	U.0.1	U.005
70	Mountain Rest	0.05	19.2	0.86	0.07	24.7	3.7	0.16	1.3	0.03	56.2	U.0.1	U.005
70	Mountain Rest	0.03	16.8	0.68	0.06	26.2	2.8	0.12	U1	0.00	57	U.0.1	U.005
70	Mountain Rest	0.03	16.09	0.65	0.05	26.95	2.6	0.11	U1	0.00	56.96	U.1	U.005
71	Pickens	0.29	80.7	0.17	0.01	3.8	1.3	0.06	1.4	0.04	15.5	U.0.1	U.005
71	Pickens	0.11	67.9	0.13	0.01	6.3	1	0.04	U1	U.0.1	25.8	U.0.1	U.005
71	Pickens	0.11	54.24	0.12	0.01	4.67	1.0	0.04	1.7	0.04	41.09	U.1	U.005
72	Ballentine	1.45	69.3	3.30	0.27	13	8.5	0.37	U1	0.00	17.7	U.0.1	U.005
72	Ballentine	0.60	46.2	3.7	0.30	23.1	9.2	0.40	U1	0.00	35.4	na	U.005
72	Ballentine	0.01	0.17	0.071	0.01	0.13	100	4.35	U1	0.00	99.69	U.1	0.0073
73	Union	0.41	62.4	0.67	0.06	8.4	4.4	0.19	1.8	0.05	29.2	0.12	U.005
73	Union	0.28	47.6	0.75	0.06	10.3	4.6	0.20	2	0.05	42.1	U.0.1	U.005
74	Guthries	0.65	58.8	3	0.25	22.3	4.8	0.21	1	0.03	18.9	0.12	U.005
74	Guthries	0.47	50.7	2.8	0.23	24.7	4.4	0.191	1.5	0.04	24.6	U.0.1	U.005
75	Abbeville	0.55	68.3	0.5	0.04	5.1	4.9	0.21	8.9	0.23	26.5	U.0.1	U.005
75	Abbeville	0.28	75.4	0.41	0.03	6.8	2.9	0.13	2	0.05	35.8	U.0.1	U.005
75	Abbeville (shallow)	0.19	41.52	0.51	0.04	9.19	4	0.17	2	0.05	49.28	U.1	U.005
76	Starr	0.50	24.6	0.07	0.01	U1	35	1.52	5	0.13	75.1	0.1	U.005
76	Starr	0.43	45.8	4.1	0.34	35.2	3.2	0.14	1.7	0.44	19	U.0.1	U.005
76	Starr (deep)	0.70	51.86	3.4	0.28	20.78	7.3	0.32	2	0.05	27.36	0.14	U.005
77	Blacksburg	0.95	63.1	4.7	0.39	25.7	2.4	0.10	2.5	0.06	11.2	U.0.1	U.005
78	Mauldin	0.11	38.1	0.68	0.06	18.6	3	0.13	1.5	0.04	43.3	U.0.1	U.005
79	Fork Shoals	0.85	46.6	6	0.49	27.1	11	0.48	5.9	0.15	26.3	1.20	U.005
79	Fork Shoals	0.95	53.6	3	0.25	14	12	0.52	2	0.51	32.4	1.49	U.005
79	Fork Shoals	0.90	52.07	2.9	0.24	13.84	12	0.52	2.6	0.07	34.10	1.3	U.005
80	Newberry	0.37	38.4	3.80	0.31	32.1	6.6	0.29	1.7	0.04	29.5	0.14	U.005
80	Newberry	0.36	37.9	3.6	0.3	30.8	6.3	0.27	1	0.025	31.3	0.12	U.005
81	Mountain Rest	0.04	18.2	0.71	0.06	25.3	3	0.13	U1	0.00	56.5	U.0.1	U.005
81	Mountain Rest	0.04	17.9	0.75	0.06	27.6	2.8	0.12	U1	U.1	54.5	U.0.1	U.005
81	Mountain Rest	0.04	17.07	0.82	0.07	27.16	2.6	0.11	1	0.03	55.78	U.1	U.005
82	Pickens	0.12	41.7	0.32	0.03	8.8	3.4	0.15	U1	0.00	49.5	U.0.1	U.005

Appendix D

WELL #	LOCATION	CA_epm	CA_% +	MG_ppm	MG_epm	MG_% +	NA_ppm	NA_epm	K_ppm	K_epm	NA_K %	F_ppm	AS_ppm
82	Pickens	0.14	41.2	0.4	0.03	9.4	3.4	0.15	1	0.03	49.4	U0.1	U.005
82	Pickens	0.21	39.77	1.0	0.08	15.62	3.7	0.16	2.9	0.07	44.61	U.1	U.005
83	Union	0.50	40.4	2.6	0.21	17.3	12	0.52	2.3	0.06	42.3	0.12	U.005
83	Union	0.37	38.4	1.8	0.15	15.2	9.4	0.41	1.7	0.04	46.4	U0.1	U.005
84	McClellanville	3.54	72.4	8	0.66	13.4	16	0.70	U1	0.00	14.2	U0.1	U.005
85	Edisto Beach (13)	7.39	48.6	20	1.64	10.8	142	6.18	U1	0.00	40.6	1.10	U.005
86	Bennetts Point	0.12	U1	3	0.25	1.9	290	12.6	10	0.26	97.2	2.90	U.005
86	Bennetts Point	0.54	1.1	17	7.98	15.4	980	42.6	22	0.56	83.5	2.6	U.005
86	Bennetts Point	0.18	1.06	4.9	0.40	2.31	380	16.52	15	0.38	96.64	0.72	U.005
86	Bennetts Point	0.23	1.19	5.3	0.44	2.26	420	18.26	14	0.36	96.55	3.15	U.005
87	North Santee	3.64	67	7	0.58	10.6	28	1.22	U1	0.00	22.4	0.28	U.005
88	Socastee	0.34	32.2	0.77	0.06	6	15	0.65	U1	0.00	61.8	U0.1	U.005
88	Socastee	0.35	21.4	0.79	0.65	39.6	14	0.61	1	0.03	39	U0.1	U.005
89	Fairfax	0.55	28.5	3.5	0.29	15	25	1.09	U1	0.00	56.5	0.50	U.005
89	Fairfax	0.55	26.1	3.4	0.28	13.3	26	1.13	6	0.15	60.7	0.38	U.005
89	Fairfax	0.65	30.09	4.3	0.35	16.41	23	1.00	6	0.15	53.50	0.37	U.005
90	Frogmore	2.00	60.6	5.2	0.43	13	20	0.87	U1	0.00	26.4	0.20	U.005
90	Frogmore	1.80	58.04	4.5	0.37	11.97	19	0.83	4	0.10	29.99	0.29	U.005
91	Sheldon	1.15	38.2	9.6	0.79	26.2	20	0.87	8	0.20	35.5	0.26	U.005
91	Sheldon	1.15	36.6	10	0.82	26.2	21	0.91	10	0.26	37.3	0.30	U.005
91	Sheldon	1.10	37.13	10	0.82	27.84	19	0.83	8.2	0.21	35.03	0.31	U.005
91	Sheldon	1.15	40.62	8.7	0.72	25.34	18	0.78	7	0.18	34.04	0.3	U.005
92	Hilton Head Island	2.05	36.5	11	0.91	16.2	59	2.57	3	0.08	47.2	0.39	U.005
92	Hilton Head Island	1.15	22.7	12	0.99	19.5	67	2.91	U1	0.00	57.7	0.60	U.005
92	Hilton Head Island	3.99	56.80	8.8	0.72	10.31	52	2.26	2	0.05	32.90	0.22	U.005
92	Hilton Head Island	4.59	63.01	7.6	0.63	8.59	47	2.04	1	0.03	28.40	NA	U.005
93	Bluffton	2.30	49	18	1.48	31.6	19	0.83	3	0.08	19.4	0.3	U.005
93	Bluffton	2.69	50.2	22	1.81	33.7	20	0.87	U1	0.00	16.2	0.40	U.005
93	Bluffton	2.25	41.82	18	1.48	4.13	36	1.57	3	0.08	30.58	0.29	U.005
93	Bluffton	2.30	40.73	18	1.48	26.28	41	1.78	3	0.08	32.99	NA	U.005
94	Walterboro (29)	0.10	2.6	0.69	0.06	1.6	82	3.57	5	0.13	95.9	0.84	U.005
94	Walterboro (29)	0.12	3.3	1.1	0.09	2.4	82	3.57	U1	0.00	94.3	1.40	U.005
94	Walterboro (29)	0.13	3.02	1.3	0.11	0.11	88	3.83	9	0.23	94.49	1.12	U.005
94	Walterboro (29)	0.12	3.04	1.2	0.10	2.50	81	3.52	8	0.20	94.46	1.09	U.005
95	Edisto Beach (4)	0.49	1.7	13	1.07	3.7	617	26.8	20	0.51	94.6	1.40	U.005
95	Edisto Beach (4)	0.2	1	5.2	0.43	2.2	420	18.3	14	0.36	96.8	2.9	U.005
95	Edisto Beach (4)	0.55	1.52	18	1.48	1.14	770	33.48	25	0.64	94.38	2.43	U.005
95	Edisto Beach (4)							0.00		0.00		2.6	U.005
96	Lieber Correctional	0.90	40.1	5.7	0.47	14.6	38	1.65	7	0.18	57.3	0.28	U.005
96	Lieber Correctional	0.95	27.9	6.5	0.54	15.8	40	1.74	7	0.18	56.3	0.28	U.005

Appendix D

WELL #	LOCATION	CA_epm	CA_% +	MG_ppm	MG_epm	MG_% +	NA_ppm	NA_epm	K_ppm	K_epm	NA_K %	F_ppm	AS_ppm
97	Hardeeville	1.05	42.2	8.6	0.71	28.5	15	0.65	3	0.08	29.3	0.41	U.005
97	Hardeeville	0.90	40.1	8.4	0.69	30.8	15	0.65	U1	0.00	29.1	0.70	U.005
97	Hardeeville	0.90	37.25	9	0.74	2.16	16	0.70	3	0.08	32.03	0.46	U.005
97	Hardeeville	0.85	37.12	8.6	0.71	30.98	15	0.65	3	0.08	31.90	NA	U.005
98	Ridgeland	2.15	66.8	6.2	0.51	15.8	11	0.48	3	0.08	17.4	0.19	U.005
98	Ridgeland	2.20	67	6.8	0.56	17.1	12	0.52	U1	0.00	15.9	0.20	U.005
98	Ridgeland	2.10	64.75	6.9	0.57	2.72	12	0.52	2	0.05	17.70	0.1	U.005
98	Ridgeland	2.00	66.65	5.7	0.47	15.67	11	0.48	2	0.05	17.68	0.2	U.005
99	Grays	2.05	73.9	4.4	0.36	13.1	8.3	0.36	U1	0.00	13	0.30	U.005
99	Grays	2.05	72.7	4.2	0.35	12.4	8.6	0.37	2	0.05	14.9	0.14	U.005
99	Grays	2.05	70.73	4.5	0.37	1.92	8.6	0.37	4	0.10	16.46	0.13	U.005
99	Grays	1.95	73.21	3.7	0.30	11.46	8.2	0.36	2	0.05	15.34	0.16	U.005
100	Cope	1.25	78.2	2.9	0.24	14.9	2.5	0.11	U1	0.00	6.8	0.20	U.005
100	Cope	1.30	69.5	3.1	0.26	13.9	2.6	0.11	8	0.20	16.6	0.22	U.005
100	Cope	1.30	69.68	3	0.25	1.32	2.6	0.11	8	0.20	17.06	0.16	U.005
101	Orng Fish Hatchery(2)	1.75	81.4	2.2	0.18	8.4	2.8	0.12	7	0.10	10.2	0.16	U.005
101	Orng Fish Hatchery(2)	2.10	84.5	2.4	0.20	8	4.3	0.19	U1	0.00	7.5	0.10	U.005
101	Orng Fish Hatchery(2)	2.00	79.21	2.6	0.21	1.46	3.6	0.16	6	0.15	12.30	na	U.005
101	Orng Fish Hatchery(2)	2.15	80.73	2.3	0.19	7.12	3.9	0.17	6.0	0.15	12.15	U.1	U.005
102	Blackville	2.20	90.9	1.3	0.11	4.5	1.8	0.08	1	0.03	4.5	0.10	U.005
102	Blackville	2.15	92.4	1.2	0.10	4.2	1.80	0.08	U1	0.00	3.4	0.10	U.005
102	Blackville	2.15	91.05	1.3	0.11	1.59	1.8	0.08	1	0.03	4.41	0.14	U.005
102	Blackville	2.10	91.54	1.0	0.08	3.59	1.8	0.08	1.3	0.03	4.87	U.1	U.005
103	Lex-Oak Grove Elem	0.01	13.3	0.33	0.03	26.7	1.40	0.06	U1	0.00	60	U.0.1	U.005
103	Lex-Oak Grove Elem	0.02	U1	0.39	0.03	U1	67	29.2	0	0.00	99.8	0.12	U.005
103	Lex-Oak Grove Elem	0.02	U1	0.5	0.04	1.7	54	2.3	U1	0.00	97.4	U.0.1	U.005
103	Lex-Oak Grove Elem	0.02	15.46	0.66	0.05	35.81	1.7	0.07	U1	0.00	48.73	U.1	U.005
104	North	0.03	19.2	0.37	0.03	19.5	2.20	0.10	U1	0.00	61.3	U.0.1	U.005
104	North	0.03	18.8	0.41	0.03	18.8	2.3	0.10	U1	0.00	62.5	U.0.1	U.005
104	North	0.04	18.45	0.56	0.05	0.08	3.1	0.13	U1	0.00	60.77	U.0.1	U.005
104	North	0.04	19.40	0.46	0.04	19.12	2.8	0.12	U1	0.00	61.48	U.1	U.005
105	Pickney Estates	0.30	67.8	0.81	0.07	14.8	1.80	0.08	U1	0.00	17.4	0.10	U.005
105	Pickney Estates	0.38	62.3	0.84	0.07	11.5	1.90	0.08	3	0.08	26.2	0.19	U.005
106	Hamilton Branch	0.03	25.9	4.9	0.40	32.3	12	0.52	U1	0.00	41.9	0.16	U.005
106	Hamilton Branch	0.31	24.9	4.7	0.39	31.1	12	0.52	U1	0.00	44	0.1	U.005
107	N.W. Edgefield Co.	0.15	23.1	0.20	0.02	3.1	11	0.48	U1	0.00	73.9	2.60	U.005
108	Caesar's Head	0.07	U1	0.41	0.03	U1	160	6.96	U6	0.00	98.6	0.10	U.005
108	Caesar's Head	0.149	41.5	1.2	0.1	27.4	2	0.09	U1	0.03	31.2	U.0.1	U.005
108	Caesar's Head	0.11	19.77	0.67	0.06	9.93	7.8	0.34	2.0	0.05	70.29	U.1	U.005
109	Spartanburg	0.95	47.7	3.7	0.30	15.1	17	0.74	U1	0.00	37.2	0.14	U.005

Appendix D

WELL #	LOCATION	CA_epm	CA_% +	MG_ppm	MG_epm	MG_% +	NA_ppm	NA_epm	K_ppm	K_epm	NA_K %	F_ppm	AS_ppm
109	Spartanburg	0.99	46.4	3.9	0.32	14.93	18	0.78	2	0.05	38.7	U0.1	U.005
110	Chester State Park	3.34	55.6	19	1.56	26	22	0.96	6	0.15	18.5	0.43	U.005
110	Chester State Park	2.84	61.1	19	1.56	33.6	22	0.96	6	0.15	5.35	0.36	U.005
111	White Bluff Baptist C	0.13	25.5	0.71	0.06	11.8	7.4	0.32	U1	0.00	62.8	0.20	U.005
111	White Bluff Baptist C	0.125	23.1	0.68	0.06	10.3	7.7	0.34	1	0.03	66.6	U0.1	U.005
112	Westside Estates	0.70	52.2	1.7	0.14	10.5	11	0.48	U1	0.00	35.4	1.26	U.005
112	Westside Estates	0.65	50.5	1.6	0.13	10.3	11	0.48	1	0.03	39.3	1.1	U.005
113	Amick Poultry	0.08	9.6	6.20	0.51	61.5	5.5	0.24	U1	0.00	28.9	0.14	U.005
113	Amick Poultry	0.99	43.7	9	0.74	32.4	12	0.52	1	0.03	23.9	0.08	0.006
113	Amick Poultry	0.26	17.42	10	0.82	55.27	8.0	0.35	2.3	0.06	27.31	U.1	U.005
114	WSBH Radio	1.95	76.5	3.2	0.26	10.2	7.8	0.34	U1	0.00	13.3	0.18	U.005
114	WSBH Radio	1.85	75.5	2.9	0.24	9.8	7.7	0.34	1	0.03	14.70	0.12	U.005
114	WSBH Radio	1.95	78.40	2.4	0.20	7.96	7.2	0.31	1	0.03	13.64	0.14	U.005
115	McCormick	4.04	76.37	7.8	0.64	12.13	14	0.61	U1	0.00	11.50	0.22	U.005
116	Pelion	0.01	11.33	0.33	0.03	22.84	1.8	0.08	U1	0.00	65.82	U.1	U.005

Appendix D

WELL #	LOCATION	BA_ppm	CU_ppm	FE_ppm	PB_ppm	MN_ppm	ZN_ppm	AL_ppm	BE_ppm	B_ppm	CO_ppm	HG_ppm
01	Bamberg	U.05	U.01	2.6	U.05	0.06	0.12	U.05	U.003	U.1	U.02	U.0002
01	Bamberg	0.08	U.01	1.3	U.05	0.03	0.01	U.05	U.003	U.1	U.02	U.0002
01	Bamberg	0.08	U.01	1.7	U.05	0.03	U.01	U.1	U.003	U.1	U.02	U.0002
01	Bamberg	0.08	U.01	2.1	U.05	0.04	0.02	U.1	U.003	U.1	U.02	U.0002
02	Williston	U.05	U.01	0.29	U.05	U.05	U.01	U.05	U.003	U.1	U.02	U.0002
02	Williston	U.05	U.01	U.02	U.05	U.05	U.01	U.05	U.003	U.1	U.02	U.0002
02	Williston	U.05	U.01	1	U.05	U.01	0.02	U.1	0.004	U.1	U.02	U.0002
02	Williston	U.05	U.01	0.13	U.05	0.024	0.046	U.1	U.003	U.1	U.02	U.0002
03	Elloree	U.05	U.01	0.09	U.05	U.05	U.01	U.05	U.003	U.1	U.02	U.0002
03	Elloree	U.05	U.01	0.08	U.05	0.01	U.01	U.05	U.003	U.1	U.02	U.0002
03	Elloree	U.05	U.01	0.06	U.05	U.01	U.01	U.1	U.003	U.1	U.02	U.0002
04	Bowman	U.05	U.05	U.02	U.05	U.05	U.01	U.05	U.003	U.1	U.02	U.0002
04	Bowman	U.05	U.05	U.02	U.05	U.05	U.01	U.05	U.003	U.1	U.02	U.0002
04	Bowman	U.05	0.04	0.08	U.05	U.01	U.01	U.1	U.003	U.1	U.02	U.0002
04	Bowman	U.05	U.01	U.02	U.05	U.01	U.01	U.1	U.003	U.1	U.02	U.0002
05	Lake View #1	U.05	U.01	0.42	U.05	0.01	U.01	U.05	U.003	U.1	U.02	U.0002
06	Latta #1	0.10	U.01	0.94	U.05	0.02	U.01	U.05	U.003	U.1	U.02	U.0002
06	Latta #1	0.10	0.01	0.86	U.05	0.02	U.01	U.05	U.003	U.1	U.02	U.0002
07	Johnsonville	U.05	U.01	U.02	U.05	U.01	U.01	U.05	U.003	0.22	U.02	U.0002
07	Johnsonville	U.05	U.01	U.02	0.08	U.01	U.01	0.06	U.003	0.22	U.02	U.0002
08	McLeod Med Center	0.05	U.01	5.80	U.05	0.10	0.02	U.05	U.003	U.1	U.02	U.0002
08	McLeod Med Center	U.05	U.01	4.60	U.05	0.08	U.01	U.05	U.003	U.1	U.02	U.0002
09	Olanta	U.05	U.01	0.24	U.05	0.02	U.01	U.05	U.003	U.1	U.02	U.0002
09	Olanta	U.05	U.01	0.25	U.05	0.02	U.01	U.05	U.003	U.1	U.02	U.0002
10	Pamplico #1	U.05	0.06	0.21	U.05	U.01	0.11	U.05	U.003	U.1	U.02	U.0002
10	Pamplico #1	U.05	0.02	0.08	U.05	U.01	0.02	U.05	U.003	0.10	U.02	U.0002
11	Andrews #2	U.05	U.01	U.02	U.05	U.01	U.01	U.05	U.003	1.1	U.02	U.0002
11	Andrews #2	U.05	U.01	U.02	U.05	U.01	U.01	U.05	U.003	1.2	U.02	U.0002
12	Georgetown #2	U.05	U.01	U.02	U.05	U.01	U.01	U.05	U.003	0.60	U.02	U.0002
12	Georgetown #2	U.05	U.01	0.03	U.05	U.02	U.01	U.05	U.003	0.65	U.02	U.0002
13	Conway #6	U.05	U.01	0.14	U.05	U.01	U.01	U.05	U.003	0.28	U.02	U.0002
13	Conway #6	U.05	U.01	0.26	0.10	0.03	0.03	0.17	U.003	0.21	U.02	U.0002
14	Surfside-Poplar St.	U.05	U.01	0.01	U.05	U.01	U.01	U.05	U.003	2.20	U.02	U.0002
14	Surfside-Poplar St.	U.05	U.01	0.02	U.05	U.01	U.01	U.05	U.003	2.20	U.02	U.0002
15	Myrtlewood	U.05	0.01	0.60	U.05	0.04	U.01	0.33	U.003	U.1	U.02	U.0002
15	Myrtlewood	U.05	U.01	1.40	U.05	0.13	0.03	0.20	U.003	0.38	U.02	U.0002
16	Longs #2	U.05	U.01	0.01	U.05	U.01	U.01	U.05	U.003	2.60	U.02	U.0002
16	Longs #2	U.05	U.01	U.02	U.05	U.01	U.01	U.05	U.003	2.90	U.02	U.0002
17	Mullins-Gapway	U.05	U.01	0.22	U.05	0.01	U.01	U.05	U.003	0.17	U.02	U.0002
17	Mullins-Gapway	U.05	U.01	0.06	U.05	0.01	U.01	U.05	U.003	0.18	U.02	U.0002

Appendix D

WELL #	LOCATION	BA_ppm	CU_ppm	FE_ppm	PB_ppm	MN_ppm	ZN_ppm	AL_ppm	BE_ppm	B_ppm	CO_ppm	HG_ppm
18	Oakland Plantation	0.05	U.01	0.85	U.05	0.02	0.01	0.09	U.003	U.1	U.02	U.0002
18	Oakland Plantation	U.05	0.02	0.26	U.05	0.01	0.02	U.05	U.003	U.1	U.02	U.0002
19	Watson Correctional	0.07	0.01	0.02	U.05	0.01	0.03	0.19	U.003	U.1	U.02	U.0002
19	Watson Correctional	U.05	0.02	0.02	U.05	0.01	0.08	0.18	U.003	U.1	U.02	U.0002
20	Kingstree RT 377	U.05	U.01	U.02	U.05	U.01	U.01	U.05	U.003	0.56	U.02	U.0002
20	Kingstree RT 377	U.05	U.01	0.03	U.05	U.01	U.01	U.05	U.003	0.47	U.02	U.0002
21	St. Stephens	U.05	U.01	U.02	U.05	U.01	U.01	U.05	U.003	U.1	U.02	U.0002
21	St. Stephens	U.05	U.01	0.04	U.05	U.01	U.01	U.05	U.003	1.2	U.02	U.0002
22	Summerville #5	U.05	U.01	U.02	U.05	U.01	U.01	U.05	U.003	1.9	U.02	U.0002
22	Summerville #5	U.05	U.01	U.02	U.05	U.01	U.01	U.05	U.003	1.0	U.02	U.0002
23	Cainhoy High School	U.05	U.01	0.02	U.05	U.01	U.01	U.05	U.003	0.18	U.02	U.0002
23	Cainhoy High School	U.05	U.01	0.08	U.05	U.01	U.01	U.05	U.003	0.17	U.02	U.0002
24	Santee Cooper	U.05	U.01	0.03	U.05	U.01	U.01	U.05	U.003	0.18	U.02	U.0002
24	Santee Cooper	U.05	U.01	0.03	U.05	U.01	U.01	U.05	U.003	0.18	U.02	U.0002
25	St. Matthews	U.05	U.01	U.02	U.05	U.05	U.01	U.05	U.003	U.1	U.02	U.0002
25	St. Matthews	U.05	U.01	U.02	U.05	U.05	U.01	U.05	U.003	U.1	U.02	U.0002
25	St. Matthews	U.05	U.01	U.02	U.05	U.01	U.01	U.1	U.003	U.1	U.02	U.0002
26	Wagener	na	na	0.03	na	na	0.11	na	na	na	na	na
26	Wagener	U.05	U.01	U.02	U.05	U.05	U.01	U.05	U.003	U.1	U.02	U.0002
27	North Augusta	U.05	U.01	0.09	U.05	U.05	U.01	U.05	U.003	U.1	U.02	U.0002
28	Montmorenci-Coucht	na	0.01	0.02	na	na	na	na	na	na	na	na
28	Montmorenci-Coucht	U.05	U.01	0.55	U.05	U.05	U.01	0.11	U.003	U.1	U.02	U.0002
28	Montmorenci-Coucht	U.05	U.01	U.02	U.05	U.01	U.01	U.1	U.003	U.1	U.02	U.0002
28	Montmorenci-Coucht	U.05	0.018	0.046	U.05	U.01	U.01	U.1	U.003	U.1	U.02	U.0002
29	Parris Island	U.05	U.01	0.60	U.05	U.01	U.01	U.05	U.003	4.6	U.02	U.0002
29	Parris Island	U.05	U.01	0.11	U.05	U.05	0.11	U.05	U.003	4.20	U.02	U.0002
29	Parris Island	U.05	U.01	0.14	U.05	U.01	U.01	U.1	U.003	4.4	U.02	U.0002
29	Parris Island	U.05	U.01	0.1	U.05	U.01	U.01	U.1	U.003	4.2	U.02	U.0002
30	Patrick #1	U.05	0.02	0.01	U.05	U.01	U.01	U.05	U.003	U.1	U.02	U.0002
30	Patrick #1	U.05	U.01	U.02	U.05	U.01	U.01	U.05	U.003	U.1	U.02	U.0002
31	Walterboro (50)	U.05	U.01	U.02	U.05	U.05	U.01	U.05	U.003	0.41	U.02	U.0002
31	Walterboro (50)	U.05	U.01	U.02	U.05	U.05	U.01	U.05	U.003	0.19	U.02	U.0002
31	Walterboro (50)	U.05	U.01	U.02	U.05	U.01	U.01	U.1	U.003	0.2	U.02	U.0002
32	Main Street	U.05	U.01	0.81	U.05	0.01	0.03	U.05	U.003	U.1	U.02	U.0002
32	Main Street	U.05	U.01	0.70	U.05	0.01	0.03	U.05	U.003	U.1	U.02	U.0002
33	Hartsville #4	U.05	0.01	U.02	U.05	U.01	0.03	U.05	U.003	U.1	U.02	U.0002
33	Hartsville #4	U.05	U.01	U.02	U.05	U.01	U.01	U.05	U.003	U.1	U.02	U.0002
34	Timmonsville #2	0.06	U.01	1.80	U.05	0.02	U.01	U.05	U.003	U.1	U.02	U.0002
34	Timmonsville #2	0.06	0.01	2.4	U.05	0.03	0.02	U.05	U.003	U.1	U.02	U.0002
35	S. Ballard Street	0.05	U.01	0.41	U.05	0.02	0.03	U.05	U.003	U.1	U.02	U.0002

Appendix D

WELL #	LOCATION	BA_ppm	CU_ppm	FE_ppm	PB_ppm	MN_ppm	ZN_ppm	AL_ppm	BE_ppm	B_ppm	CO_ppm	HG_ppm
35	S. Ballard Street	U.05	U.01	0.03	U.05	U.01	U.01	U.05	U.003	U.1	U.02	U.0002
36	Elgin	U.05	U.01	0.01	U.05	U.01	U.04	U.05	U.003	U.1	U.02	U.0002
36	Elgin	U.05	U.01	0.13	U.05	0.02	0.04	U.05	U.003	U.1	U.02	U.0002
37	Bethune	0.09	U.01	0.01	U.05	0.03	0.01	0.16	U.003	U.1	U.02	U.0002
37	Bethune	U.05	U.01	U.02	U.05	0.01	0.01	0.04	U.003	U.1	U.02	U.0002
38	Camden	U.05	0.01	0.24	U.05	0.01	0.04	0.22	U.003	U.1	U.02	U.0002
38	Camden	U.05	0.02	0.38	U.05	0.01	0.05	U.05	U.003	U.1	U.02	U.0002
39	Bishopville #4	U.05	0.02	0.01	U.05	U.01	0.02	U.05	U.003	U.1	U.02	U.0002
39	Bishopville #4	U.05	0.04	U.02	U.01	0.03	U.01	U.05	0.01	U.1	U.02	U.0002
40	Swansea	na	0.01	0.06	na	na	0.02	na	na	na	na	U.0002
40	Swansea	na	U.01	0.11	U.05	U.05	na	na	na	na	na	na
40	Swansea	U.05	U.01	U.02	U.05	U.01	U.01	0.09	U.003	0.22	U.02	U.0002
40	Swansea	U.05	U.01	0.033	U.05	U.01	U.01	U.1	0.0042	U.1	U.02	U.0002
41	Summit	na	0.02	0.02	na	na	0.03	na	na	U.1	na	U.0002
41	Summit	U.05	U.01	U.02	0.06	U.05	na	na	na	na	na	na
41	Summit	U.05	0.01	U.02	U.05	U.01	U.01	0.08	U.003	U.1	U.02	U.0002
41	Summit	U.05	0.033	0.094	U.05	U.01	0.024	U.1	U.003	U.1	U.02	U.0002
42	Hidden Valley	na	U.01	0.06	U.05	U.05	na	na	na	na	na	na
42	Hidden Valley	U.05	U.01	0.03	na	na	0.06	0.05	na	na	na	U.0002
42	Hidden Valley	U.05	U.01	U.02	U.05	U.01	U.01	0.06	U.003	U.1	U.02	U.0002
42	Hidden Valley	U.05	0.019	U.02	U.05	U.01	0.015	U.1	U.003	U.1	U.02	U.0002
43	Clio	U.05	0.01	0.35	U.05	0.02	0.02	U.05	U.003	U.1	U.02	U.0002
43	Clio	U.05	U.01	0.40	U.05	0.02	0.01	U.05	U.003	U.1	U.02	U.0002
44	Orng Fish Hatchery(1)	U.05	U.05	0.98	U.05	U.05	U.01	U.05	U.003	U.1	U.02	U.0002
44	Orng Fish Hatchery(1)	0.08	U.05	1.2	U.05	0.03	U.01	U.05	U.003	U.1	U.02	na
44	Orng Fish Hatchery(1)	0.09	U.01	1.5	U.05	0.04	U.01	U.1	U.003	U.1	U.02	U.0002
44	Orng Fish Hatchery(1)	0.088	U.01	1.2	U.05	0.030	U.01	U.1	U.003	U.1	U.02	U.0002
45	Fort Jackson	na	0.09	0.15	U.05	U.05	na	na	na	na	na	na
45	Fort Jackson	U.05	0.03	0.09	U.05	U.01	0.17	0.09	na	na	na	U.0002
45	Fort Jackson	U.05	U.01	0.17	U.05	U.01	U.01	U.05	U.003	U.1	U.02	U.0002
45	Fort Jackson	U.05	0.021	0.35	U.05	U.01	U.01	U.1	U.003	U.1	U.02	U.0002
46	Spring Valley	na	0.01	na	na	na	U.01	na	na	U.1	na	U.0002
46	Spring Valley	na	U.01	U.02	U.05	U.05	na	na	na	na	na	na
46	Spring Valley	U.05	U.01	U.02	U.05	U.01	U.01	0.06	U.003	0.13	U.02	U.0002
47	Hopkins	na	U.01	U.02	U.05	U.05	na	na	na	na	na	na
47	Hopkins	na	0.01	U.02	U.05	U.05	U.01	na	na	na	na	U.0002
47	Hopkins	U.05	U.01	U.02	U.05	U.01	U.01	U.05	U.003	U.1	U.02	U.0002
47	Hopkins	U.05	U.01	U.02	U.05	U.01	U.01	U.1	U.003	U.1	U.02	U.0002
48	North of Eastover	0.05	na	1.9	na	0.02	0.47	0.09	na	na	na	U.0002
48	North of Eastover	na	U.01	1.8	U.05	U.05	na	na	na	na	na	na

Appendix D

WELL #	LOCATION	BA_ppm	CU_ppm	FE_ppm	PB_ppm	MN_ppm	ZN_ppm	AL_ppm	BE_ppm	B_ppm	CO_ppm	HG_ppm
49	Sumter Plant 1- #3	0.07	U.01	3.20	U.05	0.04	0.02	U.05	0.00	U.1	U.02	U.0002
49	Sumter Plant 1- #3	0.07	U.01	3.30	U.05	0.05	0.02	U.05	U.003	U.1	U.02	U.0002
50	Hemingway	U.05	U.01	0.06	U.05	U.01	U.01	U.05	U.003	1.70	U.02	U.0002
50	Hemingway	U.05	U.01	U.02	U.05	U.01	U.01	U.05	U.003	1.80	U.02	U.0002
51	Allendale	U.05	U.01	1.1	U.05	U.05	U.01	U.05	U.003	U.1	U.02	U.0002
51	Allendale	0.06	U.01	0.56	U.05	0.01	U.01	U.1	U.003	U.1	U.02	U.0002
53	Moncks Corner	U.05	U.01	U.02	U.05	U.01	U.01	U.05	U.003	2.50	U.02	U.0002
53	Moncks Corner	U.05	U.01	U.02	U.05	U.01	U.01	U.05	U.003	0.10	U.02	U.0002
54	Abbeville	U.05	U.01	U.02	U.05	0.01	0.01	U.05	U.003	U.1	U.02	U.0002
54	Abbeville	U.05	U.01	U.02	U.01	U.01	U.01	U.05	U.003	U.1	U.02	U.0002
54	Abbeville (deep)	U.05	U.01	U.02	U.05	U.01	U.01	U.1	U.003	U.1	U.02	U.0002
55	Starr	U.05	0.04	0.06	U.05	0.01	0.01	0.15	U.003	U.1	U.02	U.0002
55	Starr	U.05	0.02	0.06	U.05	U.01	U.01	0.13	U.003	U.1	U.02	U.0002
55	Starr	0.07	0.02	1.8	U.05	U.01	0.16	U.1	U.003	U.1	U.02	U.0002
56	Blacksburg	U.05	U.01	0.01	U.05	U.01	0.04	U.05	U.003	U.1	U.02	U.0002
56	Blacksburg	U.05	U.01	0.02	U.05	U.01	0.03	U.05	U.003	U.1	U.02	U.0002
57	Jenkinsville #11	U.05	U.05	0.14	U.05	U.05	U.01	U.05	U.003	U.1	na	na
57	Jenkinsville #11	U.05	0.01	U.02	U.05	U.05	0.14	U.05	U.003	U.1	na	U.0002
57	Jenkinsville #11	U.05	U.01	0.06	U.05	U.01	U.01	0.06	U.003	0.91	U.02	U.0002
58	Ridgeway	U.05	U.01	U.02	U.05	U.05	U.01	U.05	U.003	U.1	na	na
58	Ridgeway	U.05	U.01	U.02	U.05	U.05	0.02	U.05	U.003	U.1	na	U.0002
58	Ridgeway	U.05	U.01	0.03	U.05	U.01	0.03	U.05	U.003	U.1	U.02	U.0002
59	Lake Wateree St Pk	U.05	U.01	U.02	U.05	U.05	0.32	U.05	U.003	U.1	na	U.0002
59	Lake Wateree St Pk	U.05	U.01	U.02	U.05	U.05	U.01	U.05	U.003	U.1	U.02	na
59	Lake Wateree St Pk	U.05	U.01	U.02	U.05	U.01	U.01	U.05	U.003	U.1	U.02	U.0002
60	Jenkinsville #4	U.05	U.01	U.02	U.05	U.05	U.01	U.05	U.003	U.1	na	U.0002
60	Jenkinsville # 4	U.05	U.01	U.02	U.05	U.05	U.01	U.01	U.003	U.1	na	na
60	Jenkinsville #4	U.05	U.01	0.24	U.05	U.01	U.01	0.09	U.003	0.12	U.02	U.0002
61	Mauldin	U.05	0.08	1.20	U.05	0.02	0.21	0.45	U.003	U.1	U.02	U.0002
62	Fork Shoals	U.05	U.01	0.02	U.05	U.01	U.01	U.05	U.003	U.1	U.02	U.0002
62	Fork Shoals	U.05	U.01	U.02	U.05	U.01	U.01	U.05	U.003	U.1	U.02	U.0002
63	Gilbert	U.05	U.01	U.02	U.05	0.07	0.07	U.05	U.003	U.1	na	U.0002
63	Gilbert	U.05	U.01	U.02	U.05	0.07	U.01	U.05	U.003	U.1	na	na
63	Gilbert	U.05	U.01	U.02	U.05	0.08	0.07	0.06	U.003	0.12	U.02	U.0002
63	Gilbert	U.05	U.01	U.02	U.05	U.01	U.01	U.1	U.003	U.1	U.02	U.0002
64	Little Mountain	U.05	U.01	U.02	U.05	U.05	0.02	U.05	U.003	U.1	na	U.0002
64	Little Mountain	U.05	U.01	U.02	U.05	U.05	U.01	U.05	U.003	U.1	na	na
64	Little Mountain	U.05	U.01	U.02	U.05	U.01	0.02	U.05	U.003	U.1	U.02	U.0002
65	East Cntrl Newberry	na	0.02	na	na	na	0.34	na	na	na	na	U.0002
65	East Cntrl Newberry	U.05	U.01	U.02	U.05	U.05	na	na	na	na	na	na
65	East Cntrl Newberry	U.05	U.01	U.02	U.05	U.01	0.4	0.07	U.003	U.1	U.02	U.0002

Appendix D

WELL #	LOCATION	BA_ppm	CU_ppm	FE_ppm	PB_ppm	MN_ppm	ZN_ppm	AL_ppm	BE_ppm	B_ppm	CO_ppm	HG_ppm
66	Newberry	U.05	U.01	U.02	U.05	0.15	U.01	U.05	U.003	U.1	na	na
67	Whitmire	U.05	0.02	0.23	U.05	0.06	U.01	U.05	U.003	U.1	U.02	U.0002
67	Whitmire	U.05	U.01	0.90	U.05	0.08	U.01	U.05	U.003	U.1	U.02	na
67	Whitmire	U.05	U.01	0.15	U.05	0.13	U.01	0.09	U.003	0.13	U.02	U.0002
68	Chappells	na	na	0.45	na	0.04	4.70	na	na	na	na	U.0002
68	Chappells	na	U.01	0.11	U.05	0.11	na	na	na	na	na	na
68	Chappells	U.05	U.01	0.85	U.05	0.02	0.9	0.05	U.003	U.1	U.02	U.0002
68	Chappells	U.05	0.050	1.4	U.05	0.017	0.53	U.1	U.003	U.1	U.02	U.0002
69	Newberry	0.32	U.01	0.02	U.05	0.02	0.01	U.05	U.003	U.1	U.02	U.0002
69	Newberry	0.34	U.01	0.03	U.05	U.01	0.01	U.05	U.003	U.1	U.02	U.0002
70	Mountain Rest	U.05	0.09	0.01	U.05	0.05	0.04	0.06	U.003	U.1	U.02	U.0002
70	Mountain Rest	U.05	0.02	U.02	U.05	0.03	U.01	U.05	U.003	U.1	U.02	U.0002
70	Mountain Rest	U.05	0.01	0.02	U.05	0.02	0.02	U.1	U.003	U.1	U.02	U.0002
71	Pickens	U.05	U.01	0.07	U.05	0.02	0.01	0.17	U.003	U.1	U.02	U.0002
71	Pickens	U.05	U.01	U.02	U.05	0.01	U.01	U.05	U.003	U.1	U.02	U.0002
71	Pickens	U.05	U.01	0.073	U.05	U.01	U.01	U.1	U.003	U.1	U.02	U.0002
72	Ballentine	na	0.12	0.05	U.05	U.05	na	na	na	na	na	na
72	Ballentine	na	0.13	0.02	na	0.03	0.02	na	na	na	na	U.0002
72	Ballentine	U.05	U.01	U.02	U.05	U.01	U.01	U.1	U.003	U.1	U.02	0.00032
73	Union	U.05	U.01	0.22	U.05	U.01	0.01	0.47	U.003	U.1	U.02	U.0002
73	Union	U.05	U.01	U.02	U.05	U.01	U.01	U.05	U.003	U.1	U.02	U.0002
74	Guthries	U.05	U.01	U.02	U.05	U.01	0.65	U.05	U.003	U.1	U.02	U.0002
74	Guthries	U.05	U.01	0.18	U.05	U.01	0.32	0.13	U.003	U.1	U.02	U.0002
75	Abbeville	U.05	0.01	0.01	U.05	0.02	0.01	0.11	U.003	U.1	U.02	U.0002
75	Abbeville	U.05	U.01	0.27	U.05	0.04	U.01	0.56	U.003	U.1	U.02	U.0002
75	Abbeville (shallow)	U.05	0.01	0.37	U.05	0.06	U.01	0.94	U.003	U.1	U.02	U.0002
76	Starr	U.05	0.01	0.15	U.05	0.01	0.01	0.10	U.003	U.1	U.02	U.0002
76	Starr	U.05	U.01	0.23	U.05	U.01	U.01	0.14	U.003	U.1	U.02	U.0002
76	Starr (deep)	U.05	U.01	0.04	U.05	U.01	U.01	U.1	U.003	U.1	U.02	U.0002
77	Blacksburg	U.05	0.01	0.14	U.05	U.01	1.3	0.11	U.003	U.1	U.02	U.0002
78	Mauldin	U.05	U.01	0.01	U.05	0.02	0.20	U.05	U.003	U.1	U.02	U.0002
79	Fork Shoals	0.08	U.01	7.2	U.05	0.14	0.33	4.60	U.003	U.1	U.02	U.0002
79	Fork Shoals	U.05	U.01	0.03	U.05	0.01	0.08	U.05	U.003	U.1	U.02	U.0002
79	Fork Shoals	U.05	U.01	0.051	U.05	0.016	0.039	U.1	U.003	U.1	U.02	U.0002
80	Newberry	0.06	0.03	0.02	U.05	U.01	0.18	U.05	U.003	U.1	U.02	U.0002
80	Newberry	0.06	U.01	U.02	U.05	U.01	U.01	U.05	U.003	U.1	U.01	U.0002
81	Mountain Rest	U.05	0.01	U.02	U.05	0.06	0.01	0.05	U.003	U.1	U.02	U.0002
81	Mountain Rest	U.05	0.01	U.02	U.05	0.06	U.01	0.06	U.003	U.1	U.02	U.0002
81	Mountain Rest	U.05	U.01	U.02	U.05	0.05	U.01	0.1	U.003	U.1	U.02	U.0002
82	Pickens	U.05	0.01	U.02	U.05	U.01	0.07	U.05	U.003	U.1	U.02	U.0002

Appendix D

WELL #	LOCATION	BA_ppm	CU_ppm	FE_ppm	PB_ppm	MN_ppm	ZN_ppm	AL_ppm	BE_ppm	B_ppm	CO_ppm	HG_ppm
82	Pickens	U.05	U.01	U.02	U.05	U.01	U.01	U.05	U.003	U.1	U.02	U.0002
82	Pickens	U.05	0.013	0.027	U.05	U.01	U.01	U.1	U.003	U.1	U.02	U.0002
83	Union	U.05	0.03	0.70	U.05	0.01	0.10	U.05	U.003	U.1	U.02	U.0002
83	Union	U.05	0.04	0.47	U.05	0.01	0.02	U.05	U.003	U.1	U.02	U.0002
84	McClellanville	U.05	U.01	0.67	U.05	0.10	0.02	U.05	U.003	U.1	U.02	U.0002
85	Edisto Beach (13)	U.05	U.05	23	U.05	0.13	U.01	U.05	U.003	0.19	0.05	U.0002
86	Bennetts Point	U.05	U.01	U.02	U.05	U.05	U.01	U.05	U.003	0.96	U.02	U.0002
86	Bennetts Point	U.05	U.01	0.12	U.05	U.01	U.01	U.05	U.003	2.30	U.02	U.0002
86	Bennetts Point	U.05	U.01	U.02	U.05	U.01	U.01	U.1	U.003	U.1	U.02	U.0002
86	Bennetts Point	U.05	U.01	U.02	U.05	U.01	U.01	U.1	U.003	1.3	U.02	U.0002
87	North Santee	U.05	U.01	0.10	U.05	0.01	0.90	U.05	U.003	U.1	U.02	U.0002
88	Socastee	U.05	U.01	7.40	U.05	0.05	1.50	U.05	U.003	U.1	U.02	U.0002
88	Socastee	U.05	U.01	4.60	0.11	0.04	0.48	0.15	U.003	U.1	U.02	U.0002
89	Fairfax	U.05	U.01	U.02	U.05	U.05	U.01	U.05	U.003	0.10	U.02	U.0002
89	Fairfax	U.05	U.01	U.02	U.05	U.05	0.01	U.05	U.003	U.1	U.02	U.0002
89	Fairfax	U.05	U.01	U.02	U.05	U.01	U.01	U.1	U.003	U.1	U.02	U.0002
90	Frogmore	U.05	U.05	U.02	U.05	U.05	U.01	U.05	U.003	U.1	U.02	U.0002
90	Frogmore	U.05	U.01	U.02	U.05	U.01	U.01	U.1	U.003	U.1	U.02	U.0002
91	Sheldon	U.05	U.01	U.02	U.05	U.05	U.01	U.05	U.003	U.1	U.02	U.0002
91	Sheldon	U.05	U.01	U.02	U.05	U.05	U.01	U.05	U.003	U.1	U.02	U.0002
91	Sheldon	U.05	U.01	U.02	U.05	U.01	U.01	U.1	U.003	U.1	U.02	U.0002
91	Sheldon	U.05	U.01	U.02	U.05	U.01	U.01	U.1	U.003	U.1	U.02	U.0002
92	Hilton Head Island	U.05	U.01	0.44	U.05	0.02	0.01	U.05	U.003	U.1	U.02	U.0002
92	Hilton Head Island	U.05	U.01	0.14	U.05	U.05	U.01	U.05	U.003	U.1	U.02	U.0002
92	Hilton Head Island	U.05	U.01	2.4	U.05	0.12	U.01	U.1	U.003	U.1	U.02	U.0002
92	Hilton Head Island	U.05	0.01	5	U.05	0.17	U.01	U.1	U.003	U.1	U.02	U.0002
93	Bluffton	U.05	U.01	U.02	U.05	0.02	0.07	U.05	U.003	U.1	U.02	U.0002
93	Bluffton	U.05	U.01	U.02	U.05	U.05	U.01	U.05	U.003	U.1	U.02	U.0002
93	Bluffton	U.05	U.01	U.02	U.05	0.02	U.01	U.1	U.003	U.1	U.02	U.0002
93	Bluffton	U.05	U.01	U.02	U.05	0.02	U.01	U.1	U.003	U.1	U.02	U.0002
94	Walterboro (29)	U.05	0.04	0.09	U.05	U.05	0.02	U.05	U.003	0.28	U.02	U.0002
94	Walterboro (29)	U.05	U.01	U.02	U.05	U.05	U.01	U.05	U.003	0.16	U.02	U.0002
94	Walterboro (29)	U.05	U.01	U.02	U.05	U.01	U.01	U.1	U.003	0.2	U.02	U.0002
94	Walterboro (29)	U.05	U.01	U.02	U.05	U.01	U.01	0.2	U.003	0.2	U.02	U.0002
95	Edisto Beach (4)	U.05	U.01	0.60	U.05	U.05	0.09	U.05	U.003	1.90	U.02	U.0002
95	Edisto Beach (4)	U.05	U.01	U.02	U.05	U.01	U.01	U.05	.003	U.1	U.02	U.0002
95	Edisto Beach (4)	U.05	U.01	0.1	U.05	U.01	U.01	U.1	U.003	2.4	U.02	U.0002
95	Edisto Beach (4)											U.0002
96	Lieber Correctional	U.05	U.01	0.01	U.05	U.01	U.01	U.05	U.003	U.1	U.02	U.0002
96	Lieber Correctional	U.05	U.01	U.02	U.05	U.01	U.01	U.05	U.003	U.1	U.02	U.0002

Appendix D

WELL #	LOCATION	BA_ppm	CU_ppm	FE_ppm	PB_ppm	MN_ppm	ZN_ppm	AL_ppm	BE_ppm	B_ppm	CO_ppm	HG_ppm
97	Hardeeville	U.05	U.01	U.02	U.05	U.05	0.01	U.05	U.003	U.1	U.02	U.0002
97	Hardeeville	U.05	U.01	U.02	U.05	U.05	U.01	U.05	U.003	U.1	U.02	U.0002
97	Hardeeville	U.05	U.01	U.02	U.05	U.01	U.01	U.1	U.003	U.1	U.02	U.0002
97	Hardeeville	U.05	U.01	U.02	U.05	U.01	U.01	U.1	U.003	U.1	U.02	U.0002
98	Ridgeland	U.05	U.01	U.02	U.05	0.06	U.01	U.05	U.003	U.1	U.02	U.0002
98	Ridgeland	U.05	U.01	U.02	U.05	0.06	U.01	U.05	U.003	U.1	U.02	U.0002
98	Ridgeland	U.05	U.01	U.02	U.05	0.05	U.01	U.1	U.003	U.1	U.02	U.0002
98	Ridgeland	U.05	U.01	U.02	U.05	0.05	U.01	U.1	U.003	U.1	U.02	U.0002
99	Grays	U.05	U.01	U.02	U.05	U.05	U.01	U.05	U.003	U.1	U.02	U.0002
99	Grays	U.05	U.01	U.02	U.05	0.04	U.01	U.05	U.003	U.1	U.02	U.0002
99	Grays	U.05	U.01	U.02	U.05	0.03	U.01	U.1	U.003	U.1	U.02	U.0002
99	Grays	U.05	U.01	U.02	U.05	0.03	U.01	U.1	U.003	U.1	U.02	U.0002
100	Cope	U.05	U.01	1.70	U.05	0.05	0.60	U.05	U.003	U.1	U.02	U.0002
100	Cope	U.05	U.01	1.1	U.05	0.06	0.04	U.05	U.003	U.1	na	na
100	Cope	U.05	40	0.98	U.05	0.07	4.2	U.1	0.003	U.1	U.02	U.0002
101	Orng Fish Hatchery(2)	0.16	U.01	0.75	na	0.05	na	na	na	na	na	na
101	Orng Fish Hatchery(2)	U.05	U.01	0.38	U.05	0.07	0.06	U.05	U.003	U.1	U.02	U.0002
101	Orng Fish Hatchery(2)	U.05	U.01	0.08	U.05	U.01	0.01	U.1	U.003	U.1	U.02	U.0002
101	Orng Fish Hatchery(2)	U.05	U.01	0.079	U.05	0.060	0.023	U.1	U.003	U.1	U.02	U.0002
102	Blackville	U.05	U.01	0.63	U.05	0.03	U.01	U.05	U.003	U.1	U.02	U.0002
102	Blackville	U.05	U.01	0.60	U.05	U.05	U.01	U.05	U.003	U.1	U.02	U.0002
102	Blackville	0.34	U.01	0.32	U.05	0.02	U.01	U.1	U.003	U.1	U.02	U.0002
102	Blackville	0.21	U.01	0.29	U.05	0.026	U.01	U.1	U.003	U.1	U.02	U.0002
103	Lex-Oak Grove Elem	U.05	U.01	U.02	U.05	U.05	U.01	U.05	U.003	U.1	U.02	U.0002
103	Lex-Oak Grove Elem	U.05	U.01	U.02	U.05	U.05	0.03	0.09	U.003	U.1	U.02	U.0002
103	Lex-Oak Grove Elem	U.05	U.01	U.02	U.05	0.01	U.01	0.08	U.003	U.1	U.02	U.0002
103	Lex-Oak Grove Elem	U.05	0.065	0.062	U.05	0.015	0.021	U.1	0.0039	U.1	U.02	U.0002
104	North	U.05	U.01	U.02	U.05	U.05	U.01	U.05	U.003	U.1	U.02	U.0002
104	North	U.05	0.01	U.02	U.05	U.05	0.02	U.05	U.003	U.1	U.02	U.0002
104	North	U.05	10	U.02	U.05	U.01	0.02	U.1	0.004	U.1	U.02	U.0002
104	North	U.05	U.01	U.02	U.05	U.01	U.01	U.1	U.003	U.1	U.02	U.0002
105	Pickney Estates	0.06	U.01	1.20	U.05	0.02	0.01	U.05	U.003	U.1	U.02	U.0002
105	Pickney Estates	0.06	U.01	1.00	U.05	0.02	0.01	U.05	U.003	U.1	U.02	U.0002
106	Hamilton Branch	U.05	U.01	U.02	U.05	U.05	U.01	U.05	U.003	U.1	U.02	U.0002
106	Hamilton Branch	U.05	U.01	U.02	U.05	U.01	0.02	U.05	U.003	U.1	U.02	U.0002
107	N.W. Edgefield Co.	U.05	0.03	U.02	U.05	U.01	0.01	0.75	0.07	0.01	0.00	U.0002
108	Caesar's Head	na	na	na	U.0002							
108	Caesar's Head	U.05	U.01	0.21	U.05	U.01	0.57	U.05	U.003	U.1	U.02	U.0002
108	Caesar's Head	U.05	U.01	0.081	U.05	U.01	0.036	U.1	U.003	U.1	U.02	U.0002
109	Spartanburg	U.05	0.02	0.10	U.05	0.05	0.12	U.05	U.003	U.1	na	U.0002

Appendix D

WELL #	LOCATION	BA_ppm	CU_ppm	FE_ppm	PB_ppm	MN_ppm	ZN_ppm	AL_ppm	BE_ppm	B_ppm	CO_ppm	HG_ppm
109	Spartanburg	U.05	U.01	0.42	U.05	0.08	0.17	0.17	U.003	U.1	U.02	U.0002
110	Chester State Park	0.07	na	0.46	na	0.39	0.01	na	na	na	na	U.0002
110	Chester State Park	0.08	U.01	0.84	U.05	0.48	U.01	U.05	U.003	U.1	U.02	U.0002
111	White Bluff Baptist C	U.05	U.01	0.13	U.05	0.02	0.64	U.05	U.003	U.1	U.02	U.0002
111	White Bluff Baptist C	U.05	U.01	0.15	U.05	U.01	0.65	U.05	U.003	U.1	U.02	U.0002
112	Westside Estates	U.05	U.01	0.08	U.05	0.03	0.11	U.05	U.003	U.1	na	U.0002
112	Westside Estates	U.05	U.01	U.02	U.05	0.06	0.02	U.05	U.003	U.1	U.02	U.0002
113	Amick Poultry	na	na	0.013	na	0.54	0.03	na	na	na	na	U.0002
113	Amick Poultry	U.05	U.01	0.021	U.05	0.29	0.39	0.18	U.003	U.1	U.02	U.0002
113	Amick Poultry	U.05	0.015	16	U.05	1.2	0.030	U.1	U.003	U.1	U.02	U.0002
114	WSBH Radio	U.05	U.01	0.01	U.05	0.02	0.02	U.05	U.003	U.1	U.02	U.0002
114	WSBH Radio	U.05	U.01	U.02	U.05	0.02	U.01	U.05	U.003	U.1	U.02	U.0002
114	WSBH Radio	U.05	U.01	U.02	U.05	0.02	U.01	U.1	U.003	U.1	U.02	U.0002
115	McCormick	0.07	U.01	0.06	U.05	0.15	U.01	U.1	U.003	U.1	U.02	U.0002
116	Pelion	U.05	U.01	U.02	U.05	U.01	U.01	U.1	U.003	U.1	U.02	U.0002

Appendix D

WELL #	LOCATION	MO_ppm	SE_ppm	AG_ppm	SN_ppm	U_ppm	CD_ppm	CR_ppm	NI_ppm	LI_ppm	SB_ppm	SI_ppm	SR_ppm
01	Bamberg	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	15	U.01
01	Bamberg	0.04	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.03	U.05	na	0.03
01	Bamberg	U.02	U.005	U.03	U.5	0.28	U.01	U.01	U.02	0.03	U.05	16	0.03
01	Bamberg	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.03	U.05	16	0.04
02	Williston	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	14	U.01
02	Williston	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	na	0.02
02	Williston	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	14	0.02
02	Williston	U.02	U.002	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	12	0.030
03	Elloree	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	17	0.12
03	Elloree	0.06	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	na	0.11
03	Elloree	U.02	U.005	U.03	U.5	0.23	U.01	U.01	U.02	U.01	U.05	17	0.11
04	Bowman	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	14	U.01
04	Bowman	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	na	0.03
04	Bowman	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	14	2
04	Bowman	U.02	U.002	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	14	0.025
05	Lake View #1	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	36	0.01
06	Latta #1	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	20	0.04
06	Latta #1	0.07	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	22	0.04
07	Johnsonville	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	22	0.02
07	Johnsonville	U.02	U.005	U.03	U.5	U.15	U.01	U.01	0.03	U.01	U.05	23	0.03
08	McLeod Med Center	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.01	U.05	37	0.08
08	McLeod Med Center	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	38	0.06
09	Olanta	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	36	0.11
09	Olanta	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	39	0.11
10	Pamplico #1	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	35	0.02
10	Pamplico #1	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	39	0.01
11	Andrews #2	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.01	U.05	14	0.04
11	Andrews #2	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	14	0.05
12	Georgetown #2	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.01	U.05	13	0.08
12	Georgetown #2	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.01	U.05	14	0.08
13	Conway #6	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.01	U.05	14	0.08
13	Conway #6	U.02	U.005	U.03	U.5	U.15	U.01	U.01	0.04	U.01	U.05	9.8	0.05
14	Surfside-Poplar St.	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.01	U.05	16	0.07
14	Surfside-Poplar St.	0.06	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	15	0.06
15	Myrtlewood	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.01	U.05	4.4	0.07
15	Myrtlewood	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	5.8	0.18
16	Longs #2	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.01	U.05	12	0.17
16	Longs #2	U.02	U.005	U.03	U.5	U.15	U.01	U.01	0.02	0.02	U.05	12	0.34
17	Mullins-Gapway	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	39	0.04
17	Mullins-Gapway	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	42	0.04

Appendix D

WELL #	LOCATION	MO_ppm	SE_ppm	AG_ppm	SN_ppm	U_ppm	CD_ppm	CR_ppm	NI_ppm	LI_ppm	SB_ppm	SI_ppm	SR_ppm
18	Oakland Plantation	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	11	0.01
18	Oakland Plantation	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	5.3	0.01
19	Watson Correctional	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.01	U.05	9.1	0.01
19	Watson Correctional	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	4.4	0.01
20	Kingstree RT 377	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	22	0.04
20	Kingstree RT 377	0.05	U.005	U.03	U.5	U.15	U.01	U.01	0.02	U.01	U.05	23	0.04
21	St. Stephens	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	14	0.04
21	St. Stephens	0.04	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	14	0.03
22	Summerville #5	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.01	U.05	16	0.02
22	Summerville #5	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.01	U.05	U.03	U.01
23	Cainhoy High School	U.02	U.005	U.03	U.5	U.15	U.01	0.01	U.02	0.01	U.05	34	0.24
23	Cainhoy High School	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.01	U.05	36	0.25
24	Santee Cooper	U.02	U.005	U.03	U.5	U.15	U.01	0.01	U.02	0.02	U.05	36	0.20
24	Santee Cooper	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.02	U.05	0.04	0.20
25	St. Matthews	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	14	U.01
25	St. Matthews	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	na	0.02
25	St. Matthews	U.02	U.005	U.03	U.5	0.17	U.01	U.01	U.02	U.01	U.05	14	0.02
26	Wagener	na	na	na	na	na	na	na	na	na	na	na	na
26	Wagener	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	7.7	U.01
27	North Augusta	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	5.7	U.01
28	Montmorenci-Coucht	na	na	na	na	na	na	na	na	na	na	na	na
28	Montmorenci-Coucht	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	6.9	U.01
28	Montmorenci-Coucht	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	7.3	U.01
28	Montmorenci-Coucht	U.02	U.002	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	6.8	U.01
29	Parris Island	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.03	U.05	na	0.07
29	Parris Island	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	19	0.07
29	Parris Island	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.03	U.05	1	0.05
29	Parris Island	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.02	U.05	9.1	0.04
30	Patrick #1	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	7.2	U.01
30	Patrick #1	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	7.6	U.01
31	Walterboro (50)	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	18	U.01
31	Walterboro (50)	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	na	0.05
31	Walterboro (50)	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	31	0.05
32	Main Street	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.02	U.05	10	0.01
32	Main Street	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.02	U.05	11	0.01
33	Hartsville #4	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	8.6	U.01
33	Hartsville #4	0.03	U.005	U.03	U.5	U.15	U.01	0.01	U.02	U.01	U.05	8.2	0.01
34	Timmonsville #2	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.01	U.05	15	0.03
34	Timmonsville #2	0.07	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.01	U.05	16	0.03
35	S. Ballard Street	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	17	0.07

Appendix D

WELL #	LOCATION	MO_ppm	SE_ppm	AG_ppm	SN_ppm	U_ppm	CD_ppm	CR_ppm	NI_ppm	LI_ppm	SB_ppm	SI_ppm	SR_ppm
35	S. Ballard Street	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	21	0.07
36	Elgin	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	5.5	U.01
36	Elgin	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	2.6	U.01
37	Bethune	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	5.8	0.04
37	Bethune	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	3.1	0.01
38	Camden	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	6.1	0.01
38	Camden	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	2.9	U.01
39	Bishopville #4	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	8.4	U.01
39	Bishopville #4	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	4.3	U.01
40	Swansea	na	na	na	na	na	na	na	na	na	na	na	na
40	Swansea	na	na	na	na	na	U.01	U.01	na	na	na	na	na
40	Swansea	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	8.3	U.01
40	Swansea	U.02	U.002	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	8.4	U.01
41	Summit	0.03	na	na	na	na	U.01	na	na	na	na	na	0.01
41	Summit	na	na	na	na	na	U.01	U.01	na	na	na	na	na
41	Summit	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	4.9	0.11
41	Summit	U.02	U.002	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	1.6	0.017
42	Hidden Valley	na	na	na	na	na	U.01	U.01	na	na	na	na	na
42	Hidden Valley	na	na	na	na	na	na	na	na	na	na	3.1	na
42	Hidden Valley	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	6.1	U.01
42	Hidden Valley	U.02	U.002	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	6.4	U.01
43	Clio	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.01	U.05	12	0.02
43	Clio	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.01	U.05	14	0.01
44	Orng Fish Hatchery(1)	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	17	U.01
44	Orng Fish Hatchery(1)	na	na	na	na	na	na	na	0.03	na	na	na	na
44	Orng Fish Hatchery(1)	U.02	U.005	U.03	U.5	0.18	U.01	U.01	U.02	0.02	U.05	16	0.04
44	Orng Fish Hatchery(1)	U.02	U.002	U.03	U.5	U.15	U.01	U.01	U.02	0.032	U.05	21	0.040
45	Fort Jackson	na	na	na	na	na	U.01	U.01	na	na	na	na	na
45	Fort Jackson	na	na	na	na	na	U.01	U.01	na	na	na	3.6	na
45	Fort Jackson	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	6.3	U.01
45	Fort Jackson	U.02	U.002	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	6.5	U.01
46	Spring Valley	na	na	na	na	na	na	na	na	na	na	na	na
46	Spring Valley	na	na	na	na	na	U.01	U.01	na	na	na	na	na
46	Spring Valley	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	4.7	U.01
47	Hopkins	na	na	na	na	na	U.01	U.01	na	na	na	na	na
47	Hopkins	na	na	na	na	na	na	na	na	na	na	na	na
47	Hopkins	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	7.3	U.01
47	Hopkins	U.02	U.002	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	7.7	U.01
48	North of Eastover	na	na	na	na	na	na	na	0.02	na	na	0.01	na
48	North of Eastover	na	na	na	na	na	U.01	U.01	na	na	na	na	na

Appendix D

WELL #	LOCATION	MO_ppm	SE_ppm	AG_ppm	SN_ppm	U_ppm	CD_ppm	CR_ppm	NI_ppm	LI_ppm	SB_ppm	SI_ppm	SR_ppm
49	Sumter Plant 1- #3	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.03	U.05	16	0.01
49	Sumter Plant 1- #3	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.03	U.05	6.2	0.01
50	Hemingway	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.01	U.05	15	0.03
50	Hemingway	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	13	0.03
51	Allendale	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	13	0.06
51	Allendale	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	14	0.06
53	Moncks Corner	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.03	U.05	19	0.18
53	Moncks Corner	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.01	U.05	0.04	0.36
54	Abbeville	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.01	U.05	28	0.02
54	Abbeville	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	23	0.02
54	Abbeville (deep)	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	25	0.03
55	Starr	U.02	U.005	U.03	U.5	U.15	U.01	0.01	U.02	0.01	U.05	17	0.02
55	Starr	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	17	0.02
55	Starr	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	13	0.05
56	Blacksburg	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	12	U.01
56	Blacksburg	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	34	0.01
57	Jenkinsville #11	na	na	na	na	na	U.01	U.01	na	na	na	na	na
57	Jenkinsville #11	na	na	na	na	na	na	na	na	na	na	24	0.05
57	Jenkinsville #11	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.01	U.05	49	0.07
58	Ridgeway	na	na	na	na	na	U.01	U.01	na	na	na	na	na
58	Ridgeway	na	na	na	na	na	na	na	na	0.01	na	16	0.05
58	Ridgeway	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	45	0.05
59	Lake Wateree St Pk	na	na	na	na	na	na	na	na	na	na	22	0.05
59	Lake Wateree St Pk	na	na	na	na	na	U.01	U.01	na	na	na	na	na
59	Lake Wateree St Pk	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	32	U.01
60	Jenkinsville #4	na	na	na	na	na	na	na	na	na	na	18	0.06
60	Jenkinsville # 4	na	na	na	na	na	U.01	U.01	na	na	na	na	na
60	Jenkinsville #4	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	37	0.07
61	Mauldin	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.01	U.05	5.2	U.01
62	Fork Shoals	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	22	0.05
62	Fork Shoals	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	25	0.06
63	Gilbert	na	na	na	na	na	na	na	na	0.04	na	na	0.05
63	Gilbert	na	na	na	na	na	U.01	U.01	na	na	na	na	na
63	Gilbert	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.04	U.05	49	0.05
63	Gilbert	U.02	U.002	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	5.2	0.011
64	Little Mountain	na	na	na	na	na	na	na	na	na	na	18	0.06
64	Little Mountain	na	na	na	na	na	U.01	U.01	na	na	na	na	na
64	Little Mountain	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	38	0.07
65	East Cntrl Newberry	na	na	na	na	na	na	na	na	na	na	17	0.10
65	East Cntrl Newberry	na	na	na	na	na	U.01	U.01	na	na	na	na	na
65	East Cntrl Newberry	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	38	0.09

Appendix D

WELL #	LOCATION	MO_ppm	SE_ppm	AG_ppm	SN_ppm	U_ppm	CD_ppm	CR_ppm	NI_ppm	LI_ppm	SB_ppm	SI_ppm	SR_ppm
66	Newberry	na	na	na	na	na	U.01	U.01	na	na	na	na	na
67	Whitmire	na	na	na	na	na	na	na	na	0.01	na	25	0.12
67	Whitmire	na	na	na	na	na	U.01	U.01	na	na	na	na	na
67	Whitmire	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.01	U.05	54	0.15
68	Chappells	na	na	na	na	na	na	na	na	0.01	na	27	0.09
68	Chappells	na	na	na	na	na	U.01	U.01	na	na	na	na	na
68	Chappells	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	55	0.1
68	Chappells	U.02	U.002	U.03	32	U.15	U.01	U.01	U.02	U.01	U.05	57	0.11
69	Newberry	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	16	0.06
69	Newberry	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	20	0.1
70	Mountain Rest	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	8.7	U.01
70	Mountain Rest	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	9	U.01
70	Mountain Rest	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	10	U.01
71	Pickens	U.02	U.005	U.03	U.5	U.15	U.01	0.01	U.02	0.01	U.05	6.4	U.01
71	Pickens	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	5.5	U.01
71	Pickens	U.02	U.002	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	6.9	U.01
72	Ballentine	na	na	na	na	na	na	U.01	na	na	na	na	na
72	Ballentine	na	na	na	na	na	na	na	na	na	na	na	0.05
72	Ballentine	0.047	U.002	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	20	U.01
73	Union	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	26	0.07
73	Union	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	25	0.07
74	Guthries	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	33	0.07
74	Guthries	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	34	0.07
75	Abbeville	U.02	U.005	U.03	U.5	U.15	U.01	0.01	U.02	0.01	U.05	22	0.08
75	Abbeville	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	19	0.04
75	Abbeville (shallow)	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	20	0.04
76	Starr	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	27	0.53
76	Starr	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	25	0.04
76	Starr (deep)	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	23	0.05
77	Blacksburg	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	25	0.02
78	Mauldin	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.01	U.05	6.7	U.01
79	Fork Shoals	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.08	U.05	55	0.09
79	Fork Shoals	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.06	U.05	37	0.09
79	Fork Shoals	U.02	0.0022	U.03	U.5	U.15	U.01	U.01	U.02	0.054	U.05	35	0.087
80	Newberry	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	50	0.09
80	Newberry	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	50	0.09
81	Mountain Rest	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.01	U.05	9.1	U.01
81	Mountain Rest	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	8.7	U.01
81	Mountain Rest	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	9.2	U.01
82	Pickens	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	22	U.01

Appendix D

WELL #	LOCATION	MO_ppm	SE_ppm	AG_ppm	SN_ppm	U_ppm	CD_ppm	CR_ppm	NI_ppm	LI_ppm	SB_ppm	SI_ppm	SR_ppm
82	Pickens	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	21	0.02
82	Pickens	U.02	U.002	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	23	0.018
83	Union	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	38	0.22
83	Union	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	36	0.17
84	McClellanville	U.02	U.005	U.03	U.5	0.21	U.01	0.01	U.02	0.01	U.05	39	0.32
85	Edisto Beach (13)	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	21	0.87
86	Bennetts Point	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	30	0.07
86	Bennetts Point	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.05	U.05	na	0.12
86	Bennetts Point	U.02	U.005	U.03	U.5	0.26	U.01	U.01	U.02	0.01	U.05	32	0.11
86	Bennetts Point	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.02	U.05	34	0.14
87	North Santee	U.02	U.005	U.03	U.5	0.18	U.01	0.01	U.02	0.01	U.05	59	0.35
88	Socastee	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.01	U.05	18	0.04
88	Socastee	U.02	U.005	U.03	U.5	U.15	U.01	U.01	0.04	U.01	U.05	18	0.05
89	Fairfax	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	25	0.12
89	Fairfax	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	na	0.12
89	Fairfax	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	27	0.14
90	Frogmore	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	24	0.26
90	Frogmore	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	24	0.24
91	Sheldon	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	na	0.46
91	Sheldon	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	31	0.49
91	Sheldon	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	30	0.49
91	Sheldon	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	30	0.46
92	Hilton Head Island	0.08	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.01	U.05	na	0.73
92	Hilton Head Island	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	39	0.54
92	Hilton Head Island	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.01	U.05	31	0.79
92	Hilton Head Island	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.01	U.05	26	0.74
93	Bluffton	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	na	1.10
93	Bluffton	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	30	1.20
93	Bluffton	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	28	0.99
93	Bluffton	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	29	1.1
94	Walterboro (29)	0.04	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	na	0.04
94	Walterboro (29)	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	28	0.06
94	Walterboro (29)	U.02	U.005	U.03	U.5	0.21	U.01	U.01	U.02	U.01	U.05	29	0.06
94	Walterboro (29)	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	29	0.06
95	Edisto Beach (4)	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	12	1.00
95	Edisto Beach (4)	U.03	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.02	U.05	na	0.12
95	Edisto Beach (4)	U.02	U.005	U.03	U.5	0.16	U.01	U.01	U.02	0.05	U.05	29	1.1
95	Edisto Beach (4)	U.002										28	
96	Lieber Correctional	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	22	0.11
96	Lieber Correctional	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	0.03	0.12

Appendix D

Appendix D

WELL #	LOCATION	MO_ppm	SE_ppm	AG_ppm	SN_ppm	U_ppm	CD_ppm	CR_ppm	NI_ppm	LI_ppm	SB_ppm	SI_ppm	SR_ppm
109	Spartanburg	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	38	0.20
110	Chester State Park	na	na	na	na	na	na	na	na	na	na	46	0.17
110	Chester State Park	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	43	0.19
111	White Bluff Baptist C	na	na	na	na	na	na	na	na	na	na	45	0.02
111	White Bluff Baptist C	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	38	0.03
112	Westside Estates	na	na	na	U.5	na	na	na	na	0.01	na	42	0.06
112	Westside Estates	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	0.01	U.05	37	0.06
113	Amick Poultry	na	na	na	na	na	na	na	na	0.03	na	27	0.03
113	Amick Poultry	U.02	U.005	U.03	U.5	U.15	U.01	U.01	0.04	0.03	U.05	26	0.1
113	Amick Poultry	U.02	U.002	U.03	U.5	U.15	U.01	U.01	U.02	0.040	U.05	22	0.071
114	WSBH Radio	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	29	0.20
114	WSBH Radio	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	25	0.19
114	WSBH Radio	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	28	0.18
115	McCormick	U.02	U.005	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	37	0.42
116	Pelion	U.02	U.002	U.03	U.5	U.15	U.01	U.01	U.02	U.01	U.05	7.2	U.01

Appendix D

WELL #	LOCATION	NO3_ppm	TKN_ppm	OWNER
01	Bamberg	U.02	0.15	Town of Bamberg
01	Bamberg	U.02	0.11	Town of Bamberg
01	Bamberg	U.02	U.1	Town of Bamberg
01	Bamberg	U.02	U.1	Town of Bamberg
02	Williston	U.02	U.1	Town of Williston
02	Williston	U.02	U.1	Town of Williston
02	Williston	U.02	U.1	Town of Williston
02	Williston	0.34		Town of Williston
03	Elloree	U.02	0.11	Town of Elloree
03	Elloree	U.02	U.1	Town of Elloree
03	Elloree	U.02	U.1	Town of Elloree
04	Bowman	U.02	0.15	Town of Bowman
04	Bowman	U.02	0.14	Town of Bowman
04	Bowman	U.02	U.1	Town of Bowman
04	Bowman	U.02	U.1	Town of Bowman
05	Lake View #1	U.02	0.14	Town of Lake View
06	Latta #1	U.02	0.28	Town of Latta
06	Latta #1	U.02	1.75	Town of Latta
07	Johnsonville	U.02	0.34	Town of Johnsonville
07	Johnsonville	U.02	0.7	Town of Johnsonville
08	McLeod Med Center	U.02	0.10	McCleod Medical Center
08	McLeod Med Center	U.02	0.34	McCleod Medical Center
09	Olanta	U.02	0.26	Town of Olanta
09	Olanta	U.02	0.13	Town of Olanta
10	Pamplico #1	U.02	0.30	Town of Pamplico
10	Pamplico #1	U.02	1.5	Town of Pamplico
11	Andrews #2	U.02	0.34	Town of Andrews
11	Andrews #2	U.02	U.1	Town of Andrews
12	Georgetown #2	U.02	0.26	City of Georgetown
12	Georgetown #2	U.02	0.28	City of Georgetown
13	Conway #6	U.02	0.42	City of Conway
13	Conway #6	0.08	0.52	City of Conway
14	Surfside-Poplar St.	U.02	0.38	Town of Surfside Beach
14	Surfside-Poplar St.	U.02	0.87	Town of Surfside Beach
15	Myrtlewood	0.59	0.42	City of Myrtle Beach
15	Myrtlewood	U.02	1.01	City of Myrtle Beach
16	Longs #2	U.02	0.70	G.S.W.S.A.
16	Longs #2	U.02	0.89	G.S.W.S.A.
17	Mullins-Gapway	U.02	0.20	Town of Mullins
17	Mullins-Gapway	U.02	0.55	Town of Mullins

Appendix D

WELL #	LOCATION	NO3_ppm	TKN_ppm	OWNER
18	Oakland Plantation	0.28	U.1	Oakland Plantation
18	Oakland Plantation	0.17	U.1	Oakland Plantation
19	Watson Correctional	1.24	U.1	Wateree Correctional Institu
19	Watson Correctional	0.16	U.1	Wateree Correctional Institu
20	Kingstree RT 377	U.02	0.38	Town of Kingstree
20	Kingstree RT 377	U.02	0.54	Town of Kingstree
21	St. Stephens	U.02	0.44	Town of St. Stephens
21	St. Stephens	U.02	U.1	Town of St. Stephens
22	Summerville #5	U.02	1.22	Town of St. Stephens
22	Summerville #5	U.02	0.22	Town of St. Stephens
23	Cainhoy High School	U.02	0.62	Berkeley Co. Sch. District
23	Cainhoy High School	U.02	0.49	Berkeley Co. Sch. District
24	Santee Cooper	U.02	1.18	Town of Moncks Corner
24	Santee Cooper	U.02	0.25	Town of Moncks Corner
25	St. Matthews	2.20	0.13	Town of St. Matthews
25	St. Matthews	1.99	U.1	Town of St. Matthews
25	St. Matthews	1.96	U.1	Town of St. Matthews
26	Wagener	na	U.1	Town of Wagener
26	Wagener	U.02	U.1	Town of Wagener
27	North Augusta	1.36	U.1	City of North Augusta
28	Montmorenci-Coucht	0.74	na	Montmorenci-Couchton Wtr
28	Montmorenci-Coucht	0.87	U.1	Montmorenci-Couchton Wtr
28	Montmorenci-Coucht	0.46	U.1	Montmorenci-Couchton Wtr
28	Montmorenci-Coucht	0.70		Montmorenci-Couchton Wtr
29	Parris Island	0.02	0.87	U.S.M.C.
29	Parris Island	U.02	0.73	U.S.M.C.
29	Parris Island	U.02	0.86	U.S.M.C.
29	Parris Island	U.02	0.71	U.S.M.C.
30	Patrick #1	U.02	U.1	Town of Patrick
30	Patrick #1	0.09	U.1	Town of Patrick
31	Walterboro (50)	U.02	0.39	City of Walterboro
31	Walterboro (50)	U.02	0.27	City of Walterboro
31	Walterboro (50)	U.02	0.24	City of Walterboro
32	Main Street	U.02	0.34	City of Darlington
32	Main Street	U.02	U.1	City of Darlington
33	Hartsville #4	0.05	U.1	Town of Hartsville
33	Hartsville #4	0.09	U.1	Town of Hartsville
34	Timmonsville #2	U.02	0.12	Town of Timmonsville
34	Timmonsville #2	0.02	0.22	Town of Timmonsville
35	S. Ballard Street	U.02	0.12	City of Florence

Appendix D

WELL #	LOCATION	NO3_ppm	TKN_ppm	OWNER
35	S. Ballard Street	U.02	0.69	City of Florence
36	Elgin	0.71	0.12	Town of Elgin
36	Elgin	1.02	U.1	Town of Elgin
37	Bethune	5.80	U.1	Bethune Rural Water Co.
37	Bethune	3.7	U.1	Bethune Rural Water Co.
38	Camden	1.89	0.12	Charles-Thomp Water Dis.
38	Camden	0.49	U.1	Charles-Thomp Water Dis.
39	Bishopville #4	U.02	U.1	Town of Bishopville
39	Bishopville #4	U.02	U.1	Town of Bishopville
40	Swansea	na	na	Town of Swansea
40	Swansea	U.02	na	Town of Swansea
40	Swansea	U.02	U.1	Town of Swansea
40	Swansea	0.021	U.1	Town of Swansea
41	Summit	1.80	na	Gilbert-Summit Rural Wtr Ds
41	Summit	1.76	na	Gilbert-Summit Rural Wtr Ds
41	Summit	1.33	U.1	Gilbert-Summit Rural Wtr Ds
41	Summit	2.8		Gilbert-Summit Rural Wtr Ds
42	Hidden Valley	0.38	na	Carolina Water Company
42	Hidden Valley	0.30	0.33	Carolina Water Company
42	Hidden Valley	0.39	U.1	Carolina Water Company
42	Hidden Valley	0.41	U.1	Carolina Water Company
43	Clio	0.24	U.1	Town of Clio
43	Clio	0.14	U.1	Town of Clio
44	Orng Fish Hatchery(1)	U.02	0.13	U.S. Fish & Wildlife
44	Orng Fish Hatchery(1)	na	na	U.S. Fish & Wildlife
44	Orng Fish Hatchery(1)	0.02	U.1	U.S. Fish & Wildlife
44	Orng Fish Hatchery(1)	U.02	U.1	U.S. Fish & Wildlife
45	Fort Jackson	0.36	na	Fort Jackson
45	Fort Jackson	0.17	0.18	Fort Jackson
45	Fort Jackson	0.36	U.1	Fort Jackson
45	Fort Jackson	0.35	0.13	Fort Jackson
46	Spring Valley	1.03	na	S.V. Presbyterian Church
46	Spring Valley	1.34	na	S.V. Presbyterian Church
46	Spring Valley	1.55	0.12	S.V. Presbyterian Church
47	Hopkins	0.22	na	Raymond Knox
47	Hopkins	0.16	na	Raymond Knox
47	Hopkins	0.20	U.1	Raymond Knox
47	Hopkins	0.21	0.15	Raymond Knox
48	North of Eastover	0.02	na	Ida Simons
48	North of Eastover	0.03	na	Ida Simons

Appendix D

WELL #	LOCATION	NO3_ppm	TKN_ppm	OWNER
49	Sumter Plant 1- #3	0.03	0.14	City of Sumter
49	Sumter Plant 1- #3	0.02	U.1	City of Sumter
50	Hemingway	0.28	0.18	Town of Hemingway
50	Hemingway	U.02	0.7	Town of Hemingway
51	Allendale	U.02	0.17	City of Allendale
51	Allendale	U.02	U.1	City of Allendale
53	Moncks Corner	0.02	0.52	Holly Hill School District 3
53	Moncks Corner	U.02	0.17	Town of Moncks Corner
54	Abbeville	1.54	0.17	W. J. Evans, Jr.
54	Abbeville	2	U.1	W. J. Evans, Jr.
54	Abbeville (deep)	1.79	U.1	W. J. Evans, Jr.
55	Starr	0.68	0.14	Jim White
55	Starr	0.86	U.1	Jim White
55	Starr	2.4	0.51	Jim White
56	Blacksburg	0.29	U.1	Betty Walker
56	Blacksburg	0.43	U.1	Betty Walker
57	Jenkinsville #11	0.20	na	Jenkinsville Water System
57	Jenkinsville #11	0.92	1.42	Jenkinsville Water System
57	Jenkinsville #11	0.84	0.12	Jenkinsville Water System
58	Ridgeway	5.40	na	Town of Ridgeway
58	Ridgeway	0.06	na	Town of Ridgeway
58	Ridgeway	0.05	U.1	Town of Ridgeway
59	Lake Wateree St Pk	0.78	na	S.C. Dept. of P.R.T
59	Lake Wateree St Pk	0.86	na	S.C. Dept. of P.R.T
59	Lake Wateree St Pk	0.91	U.1	S.C. Dept. of P.R.T
60	Jenkinsville #4	1.85	na	Jenkinsville Water System
60	Jenkinsville # 4	2.80	na	Jenkinsville Water System
60	Jenkinsville #4	2.4	0.12	Jenkinsville Water System
61	Mauldin	1.20	0.16	Paul Gartensleben
62	Fork Shoals	1.32	0.16	Lee & Sims Drilling
62	Fork Shoals	1.62	U.1	Lee & Sims Drilling
63	Gilbert	na	na	Gilbert-Summit Rural Wtr Ds
63	Gilbert	0.05	na	Gilbert-Summit Rural Wtr Ds
63	Gilbert	U.02	U.1	Gilbert-Summit Rural Wtr Ds
63	Gilbert	2.1		Gilbert-Summit Rural Wtr Ds
64	Little Mountain	1.85	na	Newberry Co. Water System
64	Little Mountain	2.40	na	Newberry Co. Water System
64	Little Mountain	1.53	U.1	Newberry Co. Water System
65	East Cntrl Newberry	0.82	na	Charles Doolittle
65	East Cntrl Newberry	0.94	na	Charles Doolittle
65	East Cntrl Newberry	0.88	U.1	Charles Doolittle

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WELL #	LOCATION	NO3_ppm	TKN_ppm	OWNER
66	Newberry	2.10	na	Newberry Co. Water System
67	Whitmire	na	0.11	Marshall Revels
67	Whitmire	0.04	na	Marshall Revels
67	Whitmire	U.02	U.1	Marshall Revels
68	Chappells	0.18	0.14	Ed Harmon
68	Chappells	0.18	na	Ed Harmon
68	Chappells	0.16	0.27	Ed Harmon
68	Chappells	0.13	U.1	Ed Harmon
69	Newberry	8.30	0.10	Edna Martin
69	Newberry	8.1	U.1	Edna Martin
70	Mountain Rest	1.30	0.16	John Long
70	Mountain Rest	1.2	U.1	John Long
70	Mountain Rest	0.85	U.1	John Long
71	Pickens	0.12	U.1	Alvin Burgess
71	Pickens	0.08	U.1	Alvin Burgess
71	Pickens	0.060	U.1	Alvin Burgess
72	Ballentine	0.76	na	Ralph Broom
72	Ballentine	1.77	na	Ralph Broom
72	Ballentine	0.39		Ralph Broom
73	Union	0.78	0.18	Johnny Horne
73	Union	0.86	U.1	Johnny Horne
74	Guthries	0.29	0.12	Joe Daves
74	Guthries	0.55	U.1	Joe Daves
75	Abbeville	1.04	0.20	Shannon Sutherland
75	Abbeville	0.83	U.1	Shannon Sutherland
75	Abbeville (shallow)	1.34	U.1	Shannon Sutherland
76	Starr	U.02	0.26	Dennis Glenn
76	Starr	3.6	1.5	Dennis Glenn
76	Starr (deep)	1.42	U.1	Dennis Glenn
77	Blacksburg	U.02	U.1	James Martin
78	Mauldin	2.00	0.20	Paul Gartensleben
79	Fork Shoals	0.06	0.16	Lee & Sims Drilling
79	Fork Shoals	U.02	U.1	Lee & Sims Drilling
79	Fork Shoals	0.061	0.14	Lee & Sims Drilling
80	Newberry	0.56	U.1	Deborah Shealy
80	Newberry	0.72	U.1	Deborah Shealy
81	Mountain Rest	1.10	0.10	James Barnes
81	Mountain Rest	1.56	U.1	James Barnes
81	Mountain Rest	1.76	U.1	James Barnes
82	Pickens	0.05	U.1	Chuck Ward

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WELL #	LOCATION	NO3_ppm	TKN_ppm	OWNER
82	Pickens	0.04	U.1	Chuck Ward
82	Pickens	0.28	U.1	Chuck Ward
83	Union	7.40	0.10	Martin Lawson
83	Union	4.0	U.1	Martin Lawson
84	McClellanville	U.02	0.92	Charleston Co. School Dis
85	Edisto Beach (13)	U.02	1.11	Town of Edisto Beach
86	Bennetts Point	U.02	0.65	Walter Bailey, Jr.
86	Bennetts Point	U.02	1.26	Walter Bailey, Jr.
86	Bennetts Point	U.02	0.52	Walter Bailey, Jr.
86	Bennetts Point	U.02	0.7	Walter Bailey, Jr.
87	North Santee	U.02	0.58	Joe Johnson
88	Socastee	U.02	0.26	Jerry Whitman
88	Socastee	0.04	U.1	Jerry Whitman
89	Fairfax	U.02	0.27	Town of Fairfax
89	Fairfax	U.02	0.16	Town of Fairfax
89	Fairfax	U.02	0.24	Town of Fairfax
90	Frogmore	U.02	0.27	David Godley
90	Frogmore	0.19	0.21	David Godley
91	Sheldon	U.02	0.35	Barry Mixson
91	Sheldon	U.02	0.32	Barry Mixson
91	Sheldon	U.02	0.38	Barry Mixson
91	Sheldon	0.14	0.21	Barry Mixson
92	Hilton Head Island	0.12	0.10	Wexford Plantation
92	Hilton Head Island	U.02	0.20	Wexford Plantation
92	Hilton Head Island	U.02	0.71	Wexford Plantation
92	Hilton Head Island	U.02	0.74	Wexford Plantation
93	Bluffton	U.02	0.22	U.S. Fish & Wildlife
93	Bluffton	U.02	0.31	U.S. Fish & Wildlife
93	Bluffton	U.02	0.24	U.S. Fish & Wildlife
93	Bluffton	U.02	0.2	U.S. Fish & Wildlife
94	Walterboro (29)	0.07	0.15	City of Walterboro
94	Walterboro (29)	U.02	0.37	City of Walterboro
94	Walterboro (29)	U.02	0.17	City of Walterboro
94	Walterboro (29)	U.02	0.22	City of Walterboro
95	Edisto Beach (4)	0.02	1.53	Town of Edisto Beach
95	Edisto Beach (4)	U.02	0.72	Town of Edisto Beach
95	Edisto Beach (4)	U.02	1.07	Town of Edisto Beach
95	Edisto Beach (4)	U.02	1.0	Town of Edisto Beach
96	Lieber Correctional	U.02	0.46	S.C. Dept. of Corrections
96	Lieber Correctional	U.02	U.1	S.C. Dept. of Corrections

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WELL #	LOCATION	NO3_ppm	TKN_ppm	OWNER
97	Hardeeville	U.02	U.1	Town of Hardeeville
97	Hardeeville	U.02	0.15	Town of Hardeeville
97	Hardeeville	U.02	1.2	Town of Hardeeville
97	Hardeeville	U.02	U.1	Town of Hardeeville
98	Ridgeland	U.02	0.12	Town of Ridgeland
98	Ridgeland	U.02	0.15	Town of Ridgeland
98	Ridgeland	U.02	0.11	Town of Ridgeland
98	Ridgeland	0.95	U.1	Town of Ridgeland
99	Grays	U.02	0.17	William D. Mixon
99	Grays	U.02	0.28	William D. Mixon
99	Grays	U.02	0.26	William D. Mixon
99	Grays	0.27	U.1	William D. Mixon
100	Cope	U.02	0.13	Cope Area Vocational Cntr
100	Cope	U.02	0.10	Cope Area Vocational Cntr
100	Cope	U.02	U.1	Cope Area Vocational Cntr
101	Orng Fish Hatchery(2)	U.02	na	U.S. Fish & Wildlife
101	Orng Fish Hatchery(2)	0.84	0.17	U.S. Fish & Wildlife
101	Orng Fish Hatchery(2)	0.38	U.1	U.S. Fish & Wildlife
101	Orng Fish Hatchery(2)	0.85		U.S. Fish & Wildlife
102	Blackville	U.02	0.13	Town of Blackville
102	Blackville	U.02	0.13	Town of Blackville
102	Blackville	U.02	U.1	Town of Blackville
102	Blackville	U.02	U.1	Town of Blackville
103	Lex-Oak Grove Elem	0.42	na	Lexington Co. School Dis.
103	Lex-Oak Grove Elem	1.26	U.1	Lexington Co. School Dis.
103	Lex-Oak Grove Elem	0.84	U.1	Lexington Co. School Dis.
103	Lex-Oak Grove Elem	1.3	U.1	Lexington Co. School Dis.
104	North	0.98	0.13	Aiken Electric Cooperative
104	North	1.05	0.10	Aiken Electric Cooperative
104	North	1.26	U.1	Aiken Electric Cooperative
104	North	1.4	U.1	Aiken Electric Cooperative
105	Pickney Estates	0.03	U.1	City of Sumter
105	Pickney Estates	0.02	U.1	City of Sumter
106	Hamilton Branch	na	na	S.C. Dept. of P.R.T
106	Hamilton Branch	0.35	U.1	S.C. Dept. of P.R.T
107	N.W. Edgefield Co.	na	na	Forrest View Manor
108	Caesar's Head	0.11	na	S.C. Dept. of P.R.T
108	Caesar's Head	U.02	U.1	S.C. Dept. of P.R.T
108	Caesar's Head	0.12	U.1	S.C. Dept. of P.R.T
109	Spartanburg	0.06	0.10	City/County Government

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WELL #	LOCATION	NO3_ppm	TKN_ppm	OWNER
109	Spartanburg	0.15	U.1	City/County Government
110	Chester State Park	na	0.13	S.C. Dept. of P.R.T
110	Chester State Park	U.02	U.1	S.C. Dept. of P.R.T
111	White Bluff Baptist C	na	na	White Bluff Baptist Church
111	White Bluff Baptist C	0.07	U.1	White Bluff Baptist Church
112	Westside Estates	0.21	na	Bruce Atkinson
112	Westside Estates	0.16	U.1	Bruce Atkinson
113	Amick Poultry	0.06	0.14	Bill Amick
113	Amick Poultry	0.02	U.1	Bill Amick
113	Amick Poultry	U.02	U.1	Bill Amick
114	WSBH Radio	U.02	0.22	Christian Broadcast
114	WSBH Radio	U.02	U.1	Christian Broadcast
114	WSBH Radio	0.43	U.1	Christian Broadcast
115	McCormick	0.34	U.1	City of McCormick
116	Pelion	0.85	U.1	R.Todd Adams